

Queen's University

PRINCIPAL'S REPORT

16th May, 1942.

TO THE BOARD OF TRUSTEES,
QUEEN'S UNIVERSITY.

I beg to submit herewith the annual report for the year closing March 31st, 1942.

The Centenary Year

The close of the hundredth year of Queen's University was observed in a way that will long be remembered. The history of the University, written by Mr. D. D. Calvin, and issued under the title *Queen's University at Kingston, 1841-1941* is more than a story of the growth of an educational institution. It is a social history of the times, and is distinguished by the delightful literary style for which the author is well known. During the year there appeared as well *Some Great Men of Queen's*, a series of six lectures which had been delivered in Convocation Hall in January and February; and *Daniel M. Gordon: His Life* by Professor Wilhelmina Gordon, a masterly analysis of a principal of Queen's who touched life at many points, and enriched all that he touched. In the summer months many Canadian organizations honoured Queen's in the centenary year by holding their meetings in our halls. The stage was therefore well set for the three-day celebrations on October 16, 17 and 18, which marked the end of the first hundred year period of the University. The functions had been carefully planned, and were carried through with dignity and restraint. But there was something that had not been planned. All who took part in the celebrations were moved by a deep feeling which seemed to pervade the atmosphere in which we lived in these memorable days. Nothing could have demonstrated so unmistakably what Queen's has meant in education and in life

as the experience through which we passed in the celebrations in which we were privileged to take part. In very truth the founders built better than they knew.

The addresses, the centenary poem and the musical ode have been published in a volume which our distinguished guests and speakers will, we hope, treasure as a fitting memento of this great occasion.

Trustees and Staff

During the year under review the trustee board lost by death Senator H. H. Horsey, and the staff Dr. Thomas Gibson. Senator Horsey gave to Queen's, as a student, on the football field, and later as a trustee, great service and a devoted loyalty. His wise experience and his enthusiastic support were ever at the call of his University. He will be greatly missed by his colleagues on the trustee board and by the administrative officers of the University. Dr. Gibson will long be remembered not only as a teacher in pharmacology and in the history of medicine, but as a cultured gentleman whose interest in literature, in music and in art communicated itself to his students and to his friends with an infectious enthusiasm which only a great teacher can convey. No student who sat under Dr. Gibson will ever regard medicine as a study lacking in cultural significance. May there be many of his kind.

During the year two senior professors retired from their posts. Dr. W. T. Connell had given the prestige of his professional standing, and his high qualities as a teacher to the department of medicine for many years. Fortunately his services are still retained in the department over which he presided. Dr. A. C. Neish, after a year of ill-health, retired from the headship of the department of chemistry. He devoted himself without stint to the building up of his department and to the services which he could render to his University. It is a great satisfaction to all who knew him that he is gradually recovering his health.

The following are the appointments for the year.

In the Board of Trustees Mr. J. M. Macdonnell was re-elected chairman. Dr. Dwyer, Mr. D. I. McLeod, Mr. R. M. Smith and Mr. John Irwin were re-elected to the board at the May meeting, and Mr. M. N. Hay was elected to fill the place left vacant by the death of Captain Crawford. The benefactors re-elected Dr. J. M. Macdonnell and Mr. R. D. Harkness. The graduates re-elected Mr. E. A. Collins and Dr. Bryce M. Stewart, and, on the withdrawal of the nomination of Mr. S. H. Henry, Mrs. James A. Richardson was elected by acclamation to succeed the late Dr. O. D. Skelton. The University Council re-elected Mr. D. H. Laird and elected Mr. H. G. Bertram as its representatives on the board. The Theological College reappointed Dr. G. A. Brown to serve for 1941-42.

In the staff:

Resignations and Retirals

W. T. Connell as head of the department of medicine, now professor emeritus, but continuing to assist in the department of medicine.
A. C. Neish as head of the department of chemistry.
C. Vyner Brooke as lecturer in charge of the department of Spanish.
M. W. Huggins as lecturer in the department of civil engineering.
David McGinnis as lecturer in the department of civil engineering.
J. W. Brooks as lecturer in the department of civil engineering.
H. M. MacKinnon as lecturer in the department of English.
W. H. Poole as lecturer in the department of economics and political science.
George E. Large as assistant in the department of anatomy.
Ronald W. Smith as biology museum assistant to enter the R.C.A.F.
J. A. Martin as instructor in the department of chemistry.
Miss Janet Porteous as chief cataloguer but retained for special services.

New Appointments

C. H. Curtis, M.A. (Queen's)—lecturer in the department of economics and political science in the absence of Dr. Mackintosh and replacing Mr. Poole.
S. D. Lash, B.Sc. (London), Ph.D. (Birmingham)—lecturer in the department of civil engineering.
J. D. Lee, B.Sc. (Queen's), M.Sc. (Iowa)—lecturer in the department of civil engineering.
Cosmo Marchant, Ph.D. (Toronto)—lecturer in the department of chemistry.
Miss Marjorie Sherlock, B.A. (Alberta), B.A. (Oxon), B.L.S. (Toronto)—chief cataloguer in the library.
A. M. Fox, B.A. (Toronto)—instructor in the department of Spanish in the absence of Mr. Minor.
J. E. Staples, B.A. (Queen's)—instructor in the department of mathematics.

D. J. Conacher, B.A. (Queen's)—instructor in the department of Latin.

H. Godfrey Bird, M.B. (Toronto), M.R.C.P. (London)—clinical assistant in the department of medicine.

E. Douglas Rooke, M.D., C.M. (Queen's)—fellow in the department of medicine.

Ralph I. Wolfe, M.D. (Toronto)—clinical assistant in psychiatry.

Fergus O'Connor, M.D., C.M. (Queen's)—demonstrator in anatomy in addition to his position as assistant professor in the department of obstetrics and gynaecology.

David Jack, B.Sc. (Queen's)—part time demonstrator in drafting.

W. E. Gorham—part time demonstrator in drafting.

Miss Margaret M. Gibb, D. univ. Paris, O.I.P.—warden of French House, and tutor in French.

E. M. Boyd, M.A., M.D., C.M. (Queen's), professor of pharmacology—to take charge as well of course in history of medicine.

Gordon J. Smith, B.A., B.Sc. (Queen's), director of endowment—to assume responsibility as well for alumni office, *Queen's Review*, and employment office, in the absence of Mr. H. J. Hamilton.

Promotions

J. A. McRae, from professor in the department of chemistry, to head of the department in succession to Dr. Neish.

W. Ford Connell, associate professor in the department of medicine, to be acting head of the department in succession to Dr. W. T. Connell.

R. M. Winter, director of extension, to be also director of the summer school.

J. A. Corry, from associate professor in the department of economics to Hardy professor of political science.

Gregory Vlastos, from associate professor to professor in the department of philosophy.

André Biéler, resident artist, to have the rank of assistant professor.

F. Ll. Harrison, resident musician, to have the rank of assistant professor.

D. O. Hebb, from lecturer to assistant professor in experimental psychology.

H. S. Pollock, from lecturer to assistant professor in the department of electrical engineering.

L. G. Macpherson, from instructor to lecturer in accounting.

J. T. Tweddell, from clinical assistant to lecturer in the department of medicine.

Leave of Absence

Gerald Graham, department of history, to hold a Guggenheim fellowship.

A. B. Minor, department of Spanish, to do graduate work at Princeton University.

On Leave for War Services in addition to those reported in previous Annual Reports

D. M. Jemmett, head, department of electrical engineering, on leave with the Dominion Government in connection with the organizing of the courses for radio mechanics. Leave extended on account of illness.

E. A. Clark, department of psychiatry, as Major with R.C.A.M.C.

A. M. Doyle, department of medicine, on leave for neuro-psychiatric work in M.D. No. 6, Halifax.

John Stanley, department of Biology, on leave with the R.C.A.F.

H. J. Hamilton, in charge of the alumni office, on loan to the Dominion Government for the work of the Wartime Technical Personnel Bureau.

Returned from Leave of Absence

J. H. Brovedani, head, department of Spanish.
Miss Wilhelmina Gordon, department of English.
R. A. Low, department of civil engineering.
L. T. Rutledge, department of mechanical engineering.

The following tributes have been paid to members of the staff. Professor H. Alexander has been elected honorary president of the newly-formed speech arts section of the Ontario Educational Association. Professor M. B. Baker was appointed vice-president of section IV of the Royal Society of Canada for 1941. Mr. André Biéler was elected president of the Federation of Canadian Artists and vice-president of the Canadian Group of Painters. Dr. E. L. Bruce was elected first vice-president of the Geological Society of America for 1942 and appointed a member of the committee on mining geology of the American Institute of Mining and Metallurgical Engineers for 1942. Professor J. C. Cameron acted as chairman on two boards of conciliation and investigation under the Industrial Disputes Investigation Act, the appointment having been made by the Minister of Labour. Dr. E. A. Clark is on leave as Major in the R.C.A.M.C. Dr. W. Ford Connell was elected a fellow of the American College of Physicians. Dr. A. M. Doyle is giving service in neuropsychiatry in M.D. No. 6, Halifax. Dr. G. H. Ettinger was elected a fellow of the Royal Society of Canada. He was appointed honorary secretary, associate committee on medical research of the National Research Council and a member of Comité de Collaboration Scientifique of the new Canadian journal, *Revue Canadienne de Biologie*. Mr. E. C. Kyte was elected a fellow of the American Geographical Society. Dr. L. M. Munro was elected a member of the council of the Canadian Institute of Chemistry. Dr. J. K. Robertson was appointed vice-president of section III of the Royal Society of Canada in May 1941. Dr. B. W. Sargent was elected a fellow of the Royal Society of Canada. Dr. J. M. Shaw was re-elected president of the Kingston branch, League of Nations Society

in Canada. Dr. R. G. Sinclair was elected president of the Kingston Horticultural Society. Dr. Gregory Vlastos received the degree of doctor of divinity from Chicago Theological Seminary and delivered the address to the graduating class.

War Services

The services which the University is called on to perform in the prosecution of the war are numerous and varied. They may be classified as follows:

1. Military Training.

C.O.T.C. (basic training); Auxiliary Battalion; R.C.A.F. Unit.

2. Special Training.

R.D.F. course; radio course (final year electrical and physics); war surgery and war medicine; first aid (C.O.T.C. and first year women); home nursing (first year women); women's motor transport course (discontinued); women's signallers course; university women's training detachment, Canadian Red Cross corps; war industry personnel training.

3. Special Services.

War research in laboratories of physics, chemistry, chemical engineering, bacteriology, physiology, pharmacology and psychology; laboratory services in the public health laboratories; expert direction of the blood donors' clinic; educational services for men in armed forces (Canadian Legion); film service; courses for internees; war work of individual members of staff.

4. Student War Work.

War Aid Commission; Red Cross work; other special services (women).

Over one thousand Queen's graduates are serving with the active forces. Approximately eleven hundred students are taking regular military training at the University. Twenty members of the staff (above the rank of demonstrator) have been or are on leave on military or war duties, and a large number are giving part of their time — in many cases much of their time — to war committees and war work. It has been a fortunate circumstance that so many of them can give services without being withdrawn from the work of the University.

Military training was compulsory for all male students from the ages of eighteen to twenty-five. This year for the first time a Royal Canadian Air Force unit was established. Medical students in their clinical years were exempted from

the regular military training, but took special courses in war medicine and war surgery. The first aid and home nursing courses were compulsory for all women students in their first year. Radio direction finding training has been carried on continuously since May, living quarters being provided in the gymnasium and mess arrangements in the Students' Union. Graduates from the special radio course in final year electrical engineering and physics are already giving service on the high seas wherever the Royal Navy is engaged. Arrangements with the Royal Canadian Ordnance Corps make it possible for men in mechanical engineering to be enlisted at the end of their third year, take training with the R.C.O.C. during the summer, and complete their fourth year at the University. Medical training will now be accelerated, beginning this spring, the Government having made arrangements whereby students will find it financially possible to carry on continuously. It has not yet been found necessary to adopt the same procedure for applied science students. They are in such great demand for war industries during the summer months that it seems advisable to maintain the regular procedure, for the present at least.

The greatest pressure has been on applied science and medical students. But the war has made heavy demands as well on women who are well educated and have some business training, and on men who are expert psychologists or sound economists. There is an emphasis as well on mathematics, chemistry and physics for the needs of the war, and on a good training in languages. The student in Arts therefore, while not so definitely in the centre of the stage, is by no means supernumerary in the action. We cannot contemplate, with any degree of assurance, a world controlled by men who have a strictly scientific training, and nothing else.

In time of stress a university is a service institution, and should meet the national need by every means in its power. There will yet be other ways in which Queen's can serve our country, beyond what has already been done. It is significant that a course established five years ago—that

on industrial relations — is already finding its application in time of war in that continuously there will be trained at Queen's the young men who in war industries are needed to take personnel positions in these industries. We were prepared to do this work.

Among other war services recorded by members of staff the following may be noted. Professor L. M. Arkley was appointed representative of the National Supply Council to act in National War Services, administrative division "C" with headquarters in Kingston. Professor J. B. Baty during last summer held the position of senior sanitary engineer in the public health engineering division of the Department of Pensions and National Health and has given part-time service to the work during the winter. He was in charge of sanitary engineering problems at camps, schools, barracks and munition plants in connection with the army, air service, navy and the Department of Munitions and Supply. Dr. A. Vibert Douglas was appointed convener of the committee on financial relief for war guests under the Canadian Federation of University Women. Lt.-Col. R. O. Earl, as Officer Commanding Queen's University C.O.T.C. has been in charge of military training at the University. Dr. S. M. Gilmour was appointed officiating clergyman to the airmen at No. 31, S.F.T.S., R.A.F., Kingston. Dr. L. F. Goodwin continued work on an explosive problem related to the R.A.F. airports and has now undertaken a war research problem under the auspices of the National Research Council. Mr. H. J. Hamilton, former secretary-treasurer of the General Alumni Association and manager of the university employment service, has joined the staff of the Wartime Bureau of Technical Personnel. Dr. H. W. Harkness is giving part-time lecturing to the Royal Canadian Air Force on physics and fundamental radio theory. Dr. D. O. Hebb is doing research work on various problems for the Department of National Defence. Dr. George Humphrey was appointed chairman of the psychological committee on personnel, advisory to the directorate of Personnel Selection in National Defence Headquarters. Lt.-Col. W. A. Jones has been promoted

to the rank of Colonel and appointed divisional assistant director of medical services for the Department of National Defence. Professor T. V. Lord has been consultant for four base metal properties, two in operation and two under construction. Dr. R. R. MacGregor was appointed president of the medical revision board under National War Services. Dr. L. M. Munro has carried on research work under the auspices of the chemical warfare division, National Research Council. Dr. G. B. Reed has continued to act on the executive of the Fisheries Research Board, on the wound infection committee and other committees dealing with war medical problems under the National Research Council. Dr. J. K. Robertson instructed the Queen's R.C.A.F. group in radio mechanics last summer. Dr. B. W. Sargent spent four months last summer on a war problem in the National Research laboratory. Dr. John Stanley was appointed to a commission with the rank of pilot officer, R.C.A.F., in the administrative branch.

We are not complacent about what is being done, but we are giving service in every way that the opportunity offers. We stand ready to do more.

Convocations, Special Functions and Special Speakers

At the spring convocation on May 17th 462 degrees were conferred. The honorary degree of Doctor of Laws was conferred on the Honourable Albert Matthews, Lieutenant-Governor of Ontario, and on Dr. W. T. Connell and Mr. F. D. Reid. The Lieutenant-Governor addressed convocation. Dean H. W. McKiel, on behalf of the Queen's University Art Foundation, presented some paintings to the University, and Mr. James Courtright, on behalf of the Alma Mater Society presented a cheque, with which to buy a field ambulance, to the Honourable Angus Macdonald, Minister of National Defence (Naval Services), as the representative of the Dominion Government.

At the special centenary convocation on October 17th, the degree of Doctor of Divinity was conferred on Rev. Richard Davidson, Rev. G. H. Donald, President A. Stanley Walker,

Dean Luther A. Weigle and Dr. H. P. Whidden. The degree of Doctor of Laws was conferred on Dr. N. L. Bowen, Dr. J. B. Collip, President J. B. Conant (in absentia), Sir Thomas H. Holland (in absentia), Mr. A. Y. Jackson, Principal F. Cyril James, Dr. Irving Langmuir, Rt. Hon. Ernest Lapointe, Mr. J. M. Macdonnell, Mr. J. S. McLean, Sir Ernest C. MacMillan, Lieutenant-General A. G. L. McNaughton (in absentia), Rt. Hon. Arthur Meighen, Principal Nathaniel Micklem, Sir Edward R. Peacock (in absentia), Mr. J. L. Ralston (in absentia), Monseigneur Camille Roy, Dr. H. E. Sigerist and Miss Charlotte E. Whitton. Addresses of acknowledgment were given by Dean Luther A. Weigle, Monseigneur Camille Roy and Lieutenant-General A. G. L. McNaughton (by radio).

On October 18th the degree of Doctor of Laws was conferred on His Excellency Major-General The Right Honourable The Earl of Athlone, Governor-General of Canada, and on Her Royal Highness Princess Alice, The Countess of Athlone. His Excellency was installed as Rector of the University, and delivered the rectorial address. As Rector he was introduced by Miss Dorothy Wardle, president of the Alma Mater Society, and at the conclusion of his address he was thanked by Mr. Chester McLean, vice-president of the society.

Other addresses given during the centenary celebrations were *The Story of Queen's* by Vice-Principal W. E. McNeill; *A Hundred Years in the Humanities and the Social Sciences* by Sir Robert Falconer; *A Hundred Years in Science and Applied Science* by Sir Thomas Holland (read by Dr. Irving Langmuir); *A Hundred Years in Medicine* by Dr. Henry E. Sigerist; *A Hundred Years in Theology* by Dr. Nathaniel Micklem; *Commemoration Service Address* by Dr. N. M. Leckie; and *Looking Forward in Education* by Principal R. C. Wallace. At the presentation of delegates an address of welcome was given by the Chancellor and replies were made by the Rt. Hon. Ernest Lapointe, Hon. P. M. Dewan, Dr. G. G. Coulton, Dr. Rufus B. von KleinSmid, Professor T. Griffith Taylor, Dr. C. J. Mackenzie, Monseigneur Olivier Maurault

and President H. J. Cody. At the banquet Mayor H. A. Stewart acted as toastmaster and toasts were proposed and replied to by the Rt. Hon. W. L. Mackenzie King, Hon. Angus Macdonald, Hon. C. A. Dunning, Hon. P. M. Dewan, Dean W. S. Ferguson of Harvard University, President Carleton W. Stanley, President Sidney E. Smith and Dr. J. M. Macdonnell. At the alumni function addresses were made and the delegates were introduced by Mr. E. A. Collins, president of the Queen's University Alumni Association and Dr. Hilda Laird, president of the Alumnae Association. Rev. Mr. Hugh Cameron, one of the two oldest living graduates of Queen's, spoke on behalf of all Queen's graduates the world over.

The Chancellor's lectures at the Queen's Theological Alumni conference were given by Dr. Nathaniel Micklem on *What we are Thinking in Britain*. Dr. H. A. Kent gave the address, and Dr. W. E. McNeill read Lawrence Binyon's poem, *For the Fallen*, at the Remembrance Day service. The Alma Mater Society lecturer was Dr. Watson Kirkconnell who spoke on *So This is Canada*. At the Sunday services the preachers and the subjects were: Dr. N. Micklem—*The Christian Faith*; Dr. Gerald Cragg—*Love, Cooperation*; Father Hector W. Daly—*What Christianity Implies*; Dr. K. C. Evans—*The Knowledge of God*; Rabbi B. Steindel—*Religion—Democracy's Strongest Link*. The January-February series was as follows: Mr. Tom Moore—*The Demands of Labour*; Dr. C. A. Curtis—*Price Controls*; Dr. J. P. R. Sclater—*Religion and Morals*; Mr. B. K. Sandwell—*Tendencies in Modern Literature*; and Dr. J. M. Macdonnell—*Reconstruction*. Among others who spoke at Queen's during the year were Mr. David Adeney, Dr. F. J. Alcock, Rev. W. R. Alp, Squadron Leader Bergin, Mrs. André Biéler, Mr. Irving Burman, Viscountess Byng of Vimy, Mr. A. F. G. Cadenhead, Mr. R. S. Carey, Mr. T. W. Cavers, Miss Mildred Collver, Wing Officer L. M. Crowther, Mr. C. Douglas Dean, Squadron Leader Maurice Flint, Miss Ethel Graham, Wing Commander Gregson, Rev. Lydia Gruchy, Mr. George Harris, Mr. Lew Hayman, Mrs. H. F. H. Hertzberg, Mr. W. L. Hill, Jr., Dr. R. N. Jones, Rev.

P. L. Jull, Wing Commander W. M. Keddie, Dr. A. R. Kepler, Miss Dorothy King, Mr. Gilbert Labine, Dr. D. J. Leroy, Dr. W. G. McBride, Surgeon Commander McCallum, Mr. D. E. Macdonnell, Dr. W. A. Mackintosh, Mr. John Metz, Mr. W. C. Miller, Hon. Humphrey Mitchell, Mr. R. C. Mott, Mrs. Dorise Neilsen, Dr. Ottakar Odlozilik, Mr. Bob Owen, Mr. Percy J. Philip, Mrs. Ethel Richardson, Mr. W. C. Ringsleben, Flying Officer D. G. Skegg, Dr. T. Thorvaldson, Mr. K. S. Twitchell, Col. R. G. Whitelaw, Mr. J. S. Willis, Mr. E. C. Wood and Mr. K. Woodsworth. Radio guests included the following: Rev. A. D. Cornett, Mr. C. P. Dalton, Mrs. Geo. D. Galway, Mr. J. R. Henderson, Mrs. A. M. Kennedy, Rev. J. D. Mackenzie-Naughton, Dr. C. C. Nash, Mr. Ronald Phillips, Rev. James Semple, Mr. A. W. Sirrett, Dr. H. A. Stewart, Mr. Alec Sorgat, Mr. P. H. Swalm, Mr. Don Toppin and Mrs. Gregory Vlastos.

This has been an unusually fortunate year for our University in the services which so large a group of men and women of high distinction have given by their presence and their addresses.

Student Life and Student Activities

The war has had its repercussions on student life. Many men are leaving at the end of their first or second year to enter the armed services. They are unsettled, and find it difficult to give full attention to their university work. To them, as indeed to members of the staff, academic work and academic research seem to be somewhat remote from the pressing actualities of the day-by-day news. There is no doubt that this feeling has its effect on the temper of our university life in these days. Then, too, the exigencies of military training take up much of the spare time which students would otherwise spend on their own societies and clubs. This notwithstanding, the standard of extracurricular activity has been good. Inter-faculty sport and athletic performance is better than before the war. It has taken the place of inter-collegiate sport, and with a gain in the matter of the physical fitness of our students. Some outstanding student perfor-

mances should receive a word of mention. *The Fashion Parade*, *The Water Follies*, *The Torch Bearers*, *The Pirates of Penzance*, and *The St. John Passion* music, were each in their own fashion finished productions. The performance of the *Centenary Ode* was of high quality. The editorials of the *Queen's Journal* were unusually competent and constructive.

An interesting enterprise has been carried through by a group of men, practically all of whom are science students in their second year. Through the generosity of Mr. E. A. Collins, a house was acquired by the University, to be operated by students on the cooperative principle. The students who have occupied the house have demonstrated that by sharing in the work of operating the house they found it possible to live at a much lower cost than the normal rate for students at Queen's. They have also gained a very useful experience, and have developed a regime which has been altogether in the best interests of their university work. The experiment has proved itself, and a way has been shown whereby generous friends of Queen's, who wish to help students in these difficult times, may assist in a very significant way by purchasing suitable houses to be used on the cooperative plan. Queen's is lacking in residential facilities for men. This plan would be one step towards meeting this need.

A new venture was initiated for women students who wish to acquire facility in spoken French. Macdonnell House was set aside as a French house. Dr. Margaret Gibb, a graduate of McGill University, who has had long residence in France, was appointed warden. Only French was spoken in the house; and at meals at Ban Righ Hall a French table was established when the same rule was observed. The plan has been very successful, and will become an established procedure for the future. It has been fortunate that Dr. Gibb's services were available. The success of the undertaking is in large measure to be attributed to her persistence and understanding.

A problem in student administration came clearly into the foreground, and a solution must be found before more

serious situations arise. The student body as a whole is responsible to the Alma Mater Society, acting through its executive. The faculties are, in purely faculty matters, under their own societies. The tendency has been growing to strengthen the hands of the faculty societies, at the expense of the authority of the central body. If that tendency is permitted to continue, dissension and disintegration will inevitably follow. It is a hopeful sign that the danger is apprehended by the more thoughtful students, and that constructive thinking is afoot. The faculty societies do excellent work, but the responsibility of a student of Queen's is first of all to the University as a whole, and to the whole student body. I am confident that the right solution will be found.

Fellowship and Scholarship Awards

Important awards won by students of Queen's University during the session 1941-42 are as follows:

Miss Joyce Hemlow of Liscomb, Nova Scotia, a candidate for the degree of Master of Arts this spring, has been awarded the Aletta Marty memorial scholarship for 1942. Miss Hemlow has also qualified for the Louisa Green Burshey fellowship at Radcliffe College, and she has the honour of a trustee fellowship at Bryn Mawr College. She plans to register at Radcliffe College next year.

Miss Kathleen Butcher of Paris, Ontario, who comes up for the Honours B.A. degree in mathematics this spring, has qualified for a trustee fellowship at Smith College with a total value of \$800, and she has the honour of the Rebecca A. Green fellowship at Radcliffe College.

Miss Mary Jeffery of Paris, Ontario, who is completing the honours degree in psychology this spring, has been awarded fellowships at Bryn Mawr College and Radcliffe College. She will work at Radcliffe College next year in the field of social psychology.

Mr. Harold Quinn of King Kirkland, Ontario, a candidate for the Master of Science degree, has been awarded the Eleanor Tatum Long graduate scholarship in structural geology of the value of \$1200 by Cornell University.

Mr. Desmond J. Conacher of Kingston, Ontario, who comes up for the Master of Arts degree this spring, has been awarded the Daniel L. Shorey travelling fellowship in the department of Greek language and literature of the University of Chicago. This fellowship has a total value of \$800. Mr. Conacher has qualified also for the Charles Kendall Adams fellowship in Greek of the value of \$600 at the University of Wisconsin.

Mr. J. Houck of Brampton, Ontario, a graduate student in psychology, has been awarded a Susan Linn Sage fellowship in psychology by Cornell University. This fellowship has a total value of nearly \$650.

Mr. Eric Paul of Lyn, Ontario, (M.A. 1941) who has been working on a National Research studentship in the department of physics during

1941-42, has been awarded a \$1000 assistantship at Columbia University. Mr. Paul has also the honour of a fellowship at the University of Michigan, and assistantships at Cornell University and the University of Rochester.

Mr. J. E. L. Evans, who was registered in graduate geology at Queen's University during the sessions 1936-37 and 1937-38, has been awarded a Royal Society fellowship of the value of \$1500.

Mr. Donald Shepherd (M.A. 1940), of Kingston, who has been registered this winter on a fellowship in classics at the University of Chicago, has been awarded another fellowship in the department of Latin language and literature for further study.

Essay Prizes

In October 1941, Mr. R. W. Mayhew of Victoria established the Mayhew essay prize contest with the purpose of encouraging Canadian university students to give consideration to problems that will confront the Dominion of Canada at the conclusion of the war. Three students from Queen's University have tied for second place in the contest.

Second place	{	M. W. Farrell, Ripley, Ontario
		C. C. V. Pitt, Toronto, Ontario
		C. E. Abner, Montreal, Quebec.

Queen's University students have qualified for National Research Council awards as follows:

Mr. J. M. Harrison (M.A. 1941) who is working towards the doctorate in geology, has been awarded a National Research Council fellowship of the value of \$750 for the session 1942-43.

Mr. R. Y. Moir of Govan, Saskatchewan, a candidate for the master's degree in chemistry in May 1942, has been awarded a National Research Council studentship of the value of \$650 for further work in chemistry at Queen's University.

The following students were successful in winning major awards offered by Queen's University in 1941-42:

Prince of Wales prize (awarded to the graduating student in the Faculty of Arts who makes the highest standing)—R. Y. Moir, Govan, Saskatchewan.

Wilhelmina Gordon foundation in English established by the Imperial Order, Daughters of the Empire, in appreciation of the work of Professor Wilhelmina Gordon—Ellen Thibaudeau, Fort William, Ontario.

The Inco scholarship—H. V. Smeltzer, Picton, Ontario.

The C.I.L. fellowship in chemistry and chemical engineering—W. H. Stevens, Oshawa, Ontario.

Arts research travelling fellowship—G. S. Dorrance, Kingston, Ontario. (Subsequent to this award, Mr. Dorrance went into essential war work and it was decided to hold the fellowship for him until after the war.)

- Reuben Wells Leonard travelling fellowship—Barbara Rooke, Kingston, Ontario. (Subsequent to this award, Miss Rooke enlisted in the R.C.A.F. (Women's Division) and it was decided to hold the fellowship for her until after the war.)
- Special travelling fellowship for use at the School of International Relations held at Salisbury, Connecticut, during the summer of 1941—J. H. Houck, Brampton, Ontario.
- Arts research resident fellowship, \$500—J. M. Harrison, Winnipeg, Manitoba.
- Arts research resident fellowship, \$300—H. B. Robinson, Vancouver, British Columbia.
- Reuben Wells Leonard resident fellowships—R. Y. Moir, Govan, Saskatchewan; Ellen Thibaudeau, Fort William, Ontario; J. W. Conner, Kingston, Ontario; Joyce Hemlow, Liscomb, Nova Scotia; J. H. Houck, Brampton, Ontario; C. N. Crowson, Ottawa, Ontario.
- Special award from the Reuben Wells Leonard resident research fund, \$200—H. A. Quinn, King Kirland, Ontario. Mr. Quinn was also awarded a National Research bursary.
- The Sir James Aikins fellowship in Canadian history—J. J. D. Londerville, Peterborough, Ontario.
- The Western Ontario graduates fellowship in history—H. J. Vallery, Peterborough, Ontario.
- The A. J. McNab fellowship for graduate study—divided equally between N. A. Patterson, B.A., Leamington, Ontario, and W. I. White, B.Sc., Darlingford, Manitoba.
- The Reuben Wells Leonard scholarships for the students obtaining the highest and second highest standing at the end of the penultimate year.
- Faculty of Arts—Kathleen E. Butcher, Paris, Ontario
K. R. Church, Ottawa, Ontario
- Faculty of Applied Science—P. A. Pasquet, Kingston, Ontario
D. A. Fraser, Gatchell, Ontario
- Faculty of Medicine—C. R. McLean, Moose Jaw, Saskatchewan.
G. K. Stillwell, Regina, Saskatchewan
- Post-graduate scholarship in chemical engineering—R. C. Eddy, Bathurst, New Brunswick.

A New Emphasis in the Summer School

Queen's Summer School was established, as a new venture in Canadian education, to meet the needs of teachers who desired to go forward towards a degree in Arts, but were unable to carry through in the routine of the regular winter session. In combination with the extramural courses the school has performed a very valuable function, and has been the means of relating the University to the teaching profession in a mutually helpful manner. In recent years, however, the number of teachers in this category has diminished, and it seemed desirable to review the whole situation, with a

view to making the summer school the most effective agency in education which may be possible under present conditions.

This question has been under consideration during the year. Two general conclusions have been reached. The first is that while the academic courses will remain the central structure of the summer school, to be taken as heretofore for credit for an Arts degree, the summer school will become increasingly important in the field of adult education, for which no university credit as such will be sought. The University has a responsibility in this wider field. The six weeks in July and the first half of August are a period in our academic year when Queen's can do much in refresher courses and in cultural training which may create relationships with organizations of adult people, to the advantage of their intellectual life and the wellbeing of the University. It is expected that many such courses of shorter or longer duration will be carried on at Queen's.

Specifically — and this is the second conclusion — it has been decided to establish a School of the Fine Arts. Teaching has been done for several years in the summer school in art, in music and in drama. It is felt that on this nucleus a school should be built which would give incentive to the study and the practice of the fine arts to many people who are not concerned about university standing. Credit standing has been given to the course in dramatics in summer school. In this arrangement teachers and others who are pursuing work at summer school with the Arts degree in mind will now be permitted to take art, music and drama as three courses towards a degree; and in so doing will be the better fitted for interpreting the new programme in the schools, in which the fine arts play an important part.

In the summer school of the fine arts the University will, it is hoped, make a contribution to better living through the cultivation of the things that are beautiful. No more fitting setting for the pursuit of this ideal could be found than Queen's in midsummer, with its dignified buildings, the lake

at its feet, and the historic setting of city and environs from which to draw inspiration.

Queen's Radio Station

Queen's radio station (CFRC), operating on 100 watts, has been conducted in cooperation with the Kingston Whig-Standard for several years. The Kingston Whig-Standard has taken the responsibility for the advertising programme, the two partners have cooperated in the non-advertising programme, and the facilities have been owned and operated by the University. There has been a very harmonious relationship through the years, and the station has served as a distributing medium, over a somewhat limited geographical area, for the special addresses which have been given from time to time at the University. It has become increasingly clear, however, that the kind of advertising which is most valuable as revenue producer is not the most suitable to be presented over a university station, for which programmes of cultural significance should be the main concern. In other words, there is a growing divergence of aim between a commercial station and a university station. When the desire was expressed by the management of the Kingston Whig-Standard that they erect a 1000 watt commercial station in the Kingston district, it seemed advisable to the university authorities to retire from the commercial radio business, and to restrict the operation of CFRC to purely educational programmes, and only to the extent that it might be useful to broadcast such programmes. The University consequently entered into an agreement by which the vested interests of the University in commercial radio were bought out for a period of years, the wavelength was retained, and the right maintained to broadcast educational programmes. The University assisted the Whig-Standard in their request to obtain a new wavelength in this district for a 1000 watt station. This station will be in operation in the early summer, with the studio in Kingston and the transmitting towers on Wolfe Island.

At the termination of a long business association, it is a pleasure to express to the management of the Kingston Whig-Standard the appreciation of the University for the unfailing courtesy and understanding which has been shown in all the relationships in the operation of the station during these years.

The year has been a heavy one. The responsibilities of the centenary functions, and of the numerous meetings of societies at Queen's in honour of the centenary have fallen on many shoulders. The dislocations of staff due to the war have aggravated the situation. I wish to close this report with a tribute of grateful acknowledgment for the magnificent team work which has been shown throughout the year. This has been our *annus mirabilis*. For this, many more people than can be named here are responsible. They have earned the gratitude of this University.

Respectfully submitted,

ROBT. C. WALLACE.

REPORT OF THE FACULTY OF ARTS

I have the honour to present the report of the Faculty of Arts for the session 1941-42.

For an analysis of the registration, see the Registrar's report, page 97.

The total number of intramural students in the winter session was less by 72 than the number a year ago. The number a year ago was 67 less than it was two years ago. The decrease from the preceding year was thus approximately the same this year as it was last year. In both years the decrease was mainly in the number of previously registered men, although it was partly made up this year by a decrease of 20 in the number of first year men. The number of women has remained almost unchanged. Registrations varied in a very similar way at the time of the first great war, and at the time of the great depression in the early thirties. It appears that in times of stress, the first students to be affected are the men who have been previously registered.

The total extramural registration (including summer school) was 2047 in 1940-41, and 1750 in 1941-42, a decrease of nearly 300. This does not mean a decrease of 300 extramural students, as a student registering for both summer and winter is counted twice. It may be taken for granted that the numbers will go much farther down with the continuance of the war.

Changes in Staff

Classics. Professor L. E. Law has been engaged in war work in England for the past two years. In 1940-41 part of his work in the department of classics was taken over by other members of the staff and part of it was cancelled for the session. In 1941-42 the department was assisted by Mr. D. J. Conacher, B.A. (Queen's), who was appointed instructor.

English. Professor Gordon resumed this session her duties in the department of English, after being away for

two years on leave of absence. Her place in the department had been filled during her absence by Mr. H. M. MacKinnon.

French. An interesting experiment in Oral French was tried during the past session in connection with Ban Righ Hall. One of the annexes, Macdonnell House, was reserved for women students who were interested in speaking French, and French was the only language to be spoken in it. Dr. Margaret M. Gibb was in charge as warden of the house. She also assisted the department of French as tutor for three hours per week.

Spanish. Professor Brovedani resumed his work in September as head of the department of Spanish, after a year's absence in Europe.

Mr. A. B. Minor was given a year's leave of absence to continue graduate studies at Princeton University. His place was taken for the session by Mr. A. M. Fox, B.A. (Toronto), who was appointed instructor in Spanish.

History. Professor Gerald Graham was granted leave of absence a year ago to accept a Guggenheim fellowship. The work of the department was carried on during the past session by the other members of the department.

Economics. Mr. W. H. Poole, who was supplying in economics in the absence of Professor Mackintosh, resigned last summer, and his place was filled by the appointment of Mr. C. H. Curtis, M.A. (Queen's), as lecturer.

Mathematics. Mr. J. E. Staples, B.A. (Queen's), was appointed instructor in mathematics to help in the work formerly taken by the late J. O. Watts.

Biology. Professor John Stanley left in the second term of the session to enter the service of the R.C.A.F. His work was rearranged among other members of staff to meet as far as possible the needs of his students.

In the Faculty

In many respects the session was quite normal. Discussions at faculty meetings were, as far as an onlooker could

see, very much the same as in other years. Yet there was always present, barely beneath the surface, the sense that things were not well with the world, and that help must be given to it. Instructors were urged to modify where possible the contents of their courses to explain phases of the war. This will probably be done on an increasing scale in the coming year. The question of speeding the graduation of students without lessening the value of the course has received some attention, but it is expected that it will be more thoroughly considered in the next twelve months. The matter has come up for discussion, not only because of its bearing on the war, but also because of its own importance as a principle of education.

Regulations regarding courses leading to the Ph.D. degree at Queen's have always been made and administered by the Faculty of Arts through a Ph.D. committee. In recent years a demand has grown up for Ph.D. programmes which involve courses not in the Faculty of Arts. This made it necessary for the Senate to take over the administration of such graduate work, and the Arts committee has ceased to exist.

Changes in the curriculum for junior matriculation have been discussed more or less for some years past; but no important action was taken until this session, when one important change was made. Latin was made an optional subject. Two foreign languages will be required, of which Latin may or may not be one. It was agreed also that a course in defence training, proposed to be offered in the high schools, would be accepted for the duration of the war in lieu of any one of the courses prescribed for junior matriculation except English.

There was considerable discussion during the session on the advisability of granting a degree of B.Sc., or some equivalent form of degree, in the Faculty of Arts, in cases where the study leading up to it was mainly in the sciences. No final conclusion was arrived at.

Research among members of staff has been given a new impetus by the generous gift for the purpose, given by Mrs. James Richardson. Some of the projects to be undertaken in the coming summer have been made possible by the assistance thus afforded.

Various members of staff have been doing war work of one kind or another in addition to their regular duties. Perhaps the one who carried the heaviest load was Professor R. O. Earl. As officer in command of military training of students he has done a work of rare merit.

Among the Students

Life among the students, like that among members of staff, has appeared outwardly very much the same as in ordinary years. But beneath the surface there was unrest and distraction of mind, due to the war, which was serious in its consequences to some of the students. This was not difficult to detect in a number of individual cases. Speaking generally, it seems that the students most seriously affected were those who in a normal year would have been classed as fair in ability and likely to attain only moderate success with their studies. The abler students can apparently work successfully even under stress. The situation presents to members of staff problems not easy to solve in giving final judgments of students' standing for the year.

For the past two sessions the men students have been wrestling with the problem of assistance to freshmen in adjusting themselves to the new conditions when they enter the University. In 1940-41, a committee of the Arts Society made some progress in solving the problem, and it was hoped that the experience gained then would help in reaching further success in 1941-42. But the success hoped for has not been realized. The matter is not being dropped however; and other methods of approach will likely be tried out next session. It has been suggested that the method used among the women students for many years might be tried among the men. To every first year girl there is assigned a senior girl,

and the relationship of adviser and advisee exists between the two for the session. The matter is being further considered by the members of the Arts Society.

In the session 1940-41, the faculty accepted the recommendations of departments for final standing in examinations for students called to war services before the examinations were completed. On the whole this worked very well; but this year the faculty decided to give special papers to such students. At the end of the session it will be possible to compare the two methods and to determine which is the better.

J. MATHESON,
Dean of the Faculty of Arts.

REPORT OF THE SCHOOL OF COMMERCE AND ADMINISTRATION

The registration in courses in Commerce and Administration for the session 1941-42 is 113. Of this number 37 registered in September 1941. This shows a marked decrease from the registration in September 1940 which was 52. A lower registration for 1941-42 is shown in all years in Commerce.

Comparative figures for 1941 and 1942 are:

	1940-41	1941-42
Final Year	42	29
Third Year	52	42
First and Second Years	63	42

The majority of the final year students will enlist after graduation. As a result the representatives of a number of industrial and financial firms who have interviewed the graduating class have not been able to employ the numbers desired. Many firms are employing undergraduate students for summer work.

C. H. Curtis, M.A., joined the Commerce staff in September 1941, to succeed Mr. W. H. Poole who was appointed to the staff of the department of economics, University of Manitoba. Mr. Curtis is a graduate of Queen's and since graduating has taken postgraduate work at the University of Chicago. He comes to Queen's from Mount Royal College, Calgary.

Banking Courses

The total registration in the Fellows' course now (March 1942) stands at 138 compared with 341 a year ago and 462 two years ago. Of the present registrations totalling 138 only 28 originated in the current academic year, the balance representing students whose tuition periods have extended from previous years. Registrations in the supplementary course in international economic relations number 8 as against 11 a year ago and 45 two years ago.

In the diploma examinations conducted by the University for the Canadian Bankers' Association in June 1941 the number of papers written was 48 per cent of the number written in June 1940. In the examinations in January 1942 the number of papers written was 60 per cent of the number written in January 1941.

The decline in all of this work is continuous and progressive.

Courses in Chartered Accountancy

The total registration in these courses is 502 compared with 488 a year ago. Of these 432 are full registrations and 70 are completing work on courses for which they were registered previously. The number starting in chartered accountancy this year (in Ontario and the other four provinces which have adopted the courses) is 180 as compared with 139 last year. This represents the largest registration of this class ever attained since the inception of the courses, and almost offsets the decline in registrations of fourth and fifth year students resulting from enlistments and other war factors. It includes, for the first time in the history of the profession, a significant number of women.

C. E. WALKER,

R. G. H. SMAILS,

Acting Joint Directors.

REPORT OF THE FACULTY OF APPLIED SCIENCE

I have the honour to present herewith the annual report of the Faculty of Applied Science for the forty-ninth session. The enrolment by years and courses is as follows:

BY YEARS

First Year	201
Second Year	137
Third Year	128
Fourth Year	109
Graduates	6
Special	4
	585

BY COURSES (Exclusive of First and Second Years)

	3rd Year	4th Year
A. Mining Engineering	15	17
B. Chemistry	4	6
C. Mineralogy and Geology	1	1
D. Chemical Engineering	22	20
M. Metallurgical Engineering	14	17
E. Civil Engineering	16	8
F. Mechanical Engineering	30	26
G. Electrical Engineering	23	13
H. Physics	3	1
	128	109

Again the attendance has been decreased by the war but not as much as was expected. The enrolment last year was 599 so the reduction of 14 is not large. There have been a number of withdrawals during the year, mainly to enter the combatant forces. There are at the moment about 50 members of undergraduate years now on active service.* The attendance in the first year was larger than normal owing to the uncertainty at the opening of the session as to the number of applicants who would actually register. There were so many withdrawals of applications in the days just before the opening of the University that it was feared restriction of the number to the usual 175 might leave us with a very much reduced registration.

*According to our list there are altogether 347 graduates and undergraduates reported as in the armed forces. Four of these are war casualties.

Staff

There have been but few changes. Professor Low, who was on loan to the Department of Munitions, finished the work for which he was specially needed and was able to return to take up again his work in surveying and also the work in highway engineering. He has done special graduate work in this field. Dr. S. D. Lash, a graduate in engineering of the University of London, and who took his Ph.D. from the University of Birmingham in structural design, came to Queen's from the National Research Council where he was secretary of the committee on building codes. Since he is particularly interested in materials of construction, it is hoped that this field can be developed here more fully than has been possible in the past. Dr. Lash has shown himself a competent and sympathetic teacher. Mr. J. D. Lee, who graduated with honours in civil engineering from Queen's in 1940 and has done a year's graduate work in hydraulics at the University of Iowa, returned to complete the establishment. Professor Baty's services have been retained in part-time consulting capacity by the Federal Department of Pensions and Health throughout this session. He was associated with them during the past summer in connection with the supervision of the building of the new camps throughout the country. Professor Armour spent last summer in pursuing studies in stress analysis by photoelasticity in two of the great research institutions in California and has been assembling equipment which will enable him to carry on such work here.

The illness of Professor Jemmett during the early part of the session, together with the additional load due to the courses for radio technicians, made the work of the other electrical engineering professors unusually heavy. We are all very glad to have Professor Jemmett back with us and hope for a complete restoration of health. The courses for radio technicians will go on through the summer with new classes beginning about every four months.

Lieut.-Col. H. J. Styles of the drafting department and Major H. G. Conn of the mechanical engineering department

are still on active service where their efforts are winning words of high praise.

After a year of part-time war work Professor L. T. Rutledge has returned to full-time work in mechanical engineering.

Professor O. A. Carson has again given substantial assistance at the Aluminum Company's plant in Kingston and Professor T. V. Lord's services have also been sought by industry. These are very important contributions to the war effort.

Work of the Year

The effect of the war on the work of students is noticeable but not as great as might be expected. On the whole the men have kept their poise and proceeded with their work in an admirable spirit. The uncertainty as to the best place in which to serve has been a very unsettling influence in the lives of many conscientious students. It has been impossible to give the kind of guidance one would like to give since the announced plans have been vague and changeable.

The demands of the various armed forces and wartime industries have created an unusual situation for final year students. The wealth of openings has been most embarrassing to the Employment Service. Instead of there being several men for each job as was the case a few years ago, there are now several jobs for each man. The manager of the Employment Service finds one situation about as difficult as the other.

The engineering faculties of many, if not most Canadian universities, found the experiences of last session, when we all tried to meet the requirements of industries for early release of final year men, so unsatisfactory that this year only the needs of the combatant forces and most urgent industrial needs were considered. A few men who joined the Ordnance Corps last summer at the end of their third year came back under the agreement with the Department of National Defence to finish their courses. These men are now needed by

the corps and arrangements were made for examinations and early release of successful candidates.

Statistics have been gathered over a period of years for the purpose of determining, if possible, trends in our records to see whether our academic product is improving or deteriorating. Several interesting conclusions may be drawn from these data. For example, it is quite clear that the work of the freshman class during the past ten years has improved. The number of those who have no failures is increasing, while the number with failures enough to prevent them from proceeding is diminishing. The evidences of improvement have become more marked since 1936. It was at that time that we began to raise matriculation requirements, first by requiring higher than mere pass standing in upper school mathematics, next by limiting registration in the first year, with selection of the most promising candidates, and, finally, by the requirement of upper school physics and chemistry which before had been optional.

Second year results have not shown a similar improvement although there is evidence that some exists. It is very noticeable that the results of the Christmas examinations in the second year are much poorer than those at the end of the first year or at the end of the second year, and, further, the April results in the second year are poorer than in the first year. What is sometimes called *second-year-itis* seems to afflict too many of our students in this year and this results in a slump in the work which is not entirely overcome in the harder study of the second term.

Third year results show a generally higher standing than in the earlier years but there are still too many failures. However, the results have shown gradual improvement since 1938. Apparently the better quality of the entering classes is having the effect of creating a higher level of work throughout the course, and, except for the falling off in the first few weeks of the second year, there is improvement.

A study of the distribution of students in the courses of the third year shows that this distribution is almost without

reason. In general it is out of step with the demand by two or three years. Mining seems to be declining since the peak in 1939. Electrical is also falling off a little. Civil is coming back after the all-time low in 1938 and chemical engineering has been rising steadily since 1934. Mechanical and metallurgical engineering are attracting an increasing proportion of students. The other courses seem to show no tendencies.

A questionnaire answered by freshmen upon entering gives some very interesting facts. A very large percentage of these men have come to Queen's because of the reputation of the Science course. A number live in the vicinity of Kingston and come to Queen's because of this fact. Only a very few assign any other reasons for choosing this University. It is quite clear also from the answers given that in nearly every case they enter the Science course in order to do the work in which they are interested. The money motive does not appear.

It is useful to compare the success of our students in meeting the difficulties of the course with those elsewhere. In a recent publication of the Department of the Interior of the United States it is shown that in a considerable number of institutions, which were studied in that country, about 32 per cent of their students graduate in four years. In the Science Faculty at Queen's the average over a ten-year period is about 40 per cent. Since the first figure is not that for engineering schools alone, which on the whole have a high percentage of failures, our figure is a source of satisfaction. One may say that in spite of rising standards throughout our courses, our product, as measured by examination results, is improving and is better than in most similar institutions.

Departmental Notes

Dr. McRae reports as follows on the developments in the department of Chemistry:

“With the requirement of honour matriculation for all students in the Science faculty, the first year course in chemistry has been broadened and made more quantitative. Limi-

tation of the laboratory accommodation, particularly locker size, has prevented other desirable changes but what has been done has been of distinct benefit.

“Gordon Hall was planned for far fewer students than we have today and the difficulties in the way of necessary changes in the courses and methods are very great. The altered course in Chemistry I is probably the initial step in a general revision of the courses in chemistry. The marked difference between the first year classes in Science and Arts now seems to make it advisable, if indeed not imperative, to separate Qualitative Analysis I from Chemistry 2 Arts, making it more adapted to the needs of Science students.

“Professor Dorrance, who has developed a course in electro-chemistry, has relinquished this in order to take over the work in general chemistry for the first year Science students. The course in electro-chemistry has been placed in the hands of Dr. E. G. Taylor whose special interest is in that field.”

Dr. Hawley reports that a Weissenberg x-ray goniometer has been obtained in the mineralogy department through funds made available by the Richardson science research appropriation. This rounds out the equipment of the x-ray laboratory, ranking it with the most modern in the country, and will allow more complete studies to be made of both powders and single crystals at room temperature and phase changes when subjected to elevated temperatures.

Professor Lord reports an increase in the number of students in metallurgy, which, with the impossibility of securing demonstrators, has made the session's work very heavy. The decrease in the number of mining students afforded some relief.

Dr. Bruce reports on the progress of graduate work as follows:

“The number of graduate students in geology at the beginning of the session was six. One student withdrew early in the session to join the Air Force. This made a group of

normal size as compared with that of last year. Two students are graduates of Queen's in Science, two are graduates in Arts from the University of Western Ontario, one is from the University of Manitoba. One student who completed his master's degree last year is continuing toward the doctorate.

"The plan of having visiting geologists present series of lectures to graduate students and senior students in geology was revived this year after having been discontinued for a year. Dr. F. J. Alcock, of the Geological Survey of Canada, gave two lectures — *The geology of the maritime provinces* and *The effect of glaciation on mining problems*. A series of conferences for graduate students only was conducted by Mr. W. C. Ringsleben of Toronto.

"We may expect further development in the postgraduate work in geology."

The Engineering Society under the able leadership of Mr. N. A. Grandfield has maintained the usual high level of cooperation and has been a constructive force in student life.

A. L. CLARK,

Dean of the Faculty of Applied Science.

REPORT OF THE FACULTY OF MEDICINE

The number of students enrolled for the session was 266. Again there was an excess of applicants, but the choice was not so large as in recent years and academic qualifications were of a somewhat lower standard.

It is not a large school; the number of students is limited to suit available laboratory and clinical facilities. Forty-five men are chosen each autumn; they are often chosen from a long list of applicants. This fact alone seems to justify the maintenance of a modern School of Medicine at Queen's, and is sufficient answer to the question that is sometimes asked—"Why should there be a medical school half-way between the two bigger schools in Montreal and Toronto?"

Whatever difference of opinion may exist with respect to the question raised in the foregoing paragraph, there can be no doubt as to the value of our contribution in this and other periods of emergency. An officer on duty overseas writes, "I think you would be pleased if you could see the number of your graduates over here. It seems to me that in the ambulance and the regimental jobs, half the medical officers are from Queen's. Of the nine in our unit, six are Queen's men."

The number of withdrawals from the staff for service in the forces is necessarily limited. Indeed in a small organization it would prove impossible to lose many key men and to maintain efficiency. Military authority has recognized this fact and has provided that no member of staff will be taken into the army without an understanding with the faculty concerned.

In these times, we shall be hard pressed to keep our present standards. With the return of peace, we shall be faced with a considerable problem of reorganization.

An important change in the conduct of final examinations was made last year. In 1941 the Medical Council of Canada adopted regulations providing for university and council ex-

aminations to be held coincidentally. The scheme worked satisfactorily and is being repeated this year. This year, in order to accelerate graduation by some three months, the combined examination was held in March. Recent graduates will be available as internes, thereby releasing those at present resident in hospitals for service in the armed forces.

Facing a serious shortage of medical officers for the forces, the Department of Defence, after consultation with university representatives, has put forward a plan for acceleration of the course in Medicine. By this plan, the details of which have been published and need not therefore be repeated here, the work of four years will be completed in three. The session will be practically continuous. By this arrangement some 500 additional Canadian graduates will be available for service. Necessary financial aid both for students and universities will be available from federal funds.

Staff Changes

After seventeen years' helpful association with the faculty as professor of pharmacology and also of medical history, Dr. Thomas Gibson died on July 2, 1941.

Dr. E. A. Clark, professor of psychiatry, is on leave of absence for military service, as is also Dr. G. E. Large, of the department of anatomy.

Dr. H. G. Bird, M.R.C.P.(Lond.) and Dr. R. I. Wolfe have been appointed clinical assistants in medicine. Donald O. Hebb, M.A., Ph.D. was made assistant professor of psychology, and E. D. Rooke, M.D., formerly of the Mayo Clinic, fellow in medicine.

Dr. G. Mylks, Jr., was promoted to be lecturer in obstetrics and gynaecology, Dr. J. T. Tweddell lecturer in medicine, and Dr. F. J. O'Conner was added to the anatomy staff as fellow.

F. ETHERINGTON,
Dean of the Faculty of Medicine.

REPORT OF THE DEAN OF WOMEN

I have the honour to present the following brief report for the session 1941-42.

The registration of women this year and the comparative figures for the previous year will be found in the report of the Registrar.

Women students played an active part in many campus activities—the A.M.S., the Journal, the Social Problems Club, S.C.M., Glee Club, debating, dramatics and athletics.

There were 140 in residence in Ban Righ Hall and the four annexes. This included an exchange scholar from Acadia and Dr. Krystyna Zbieranska who is a war guest at this University. Of the students in lodgings, 100 came in as boarders in first term and 95 in second term. The lodging house problem becomes more difficult each autumn. Visitors to Ban Righ Hall included Viscountess Byng of Vimy, Rev. Lydia Gruchy, Miss M. Collver, Wing Officer L. M. Crowther and Miss Dorothy King,

French House

The experiment of having Macdonnell House a French speaking residence has been a very real success. The honorary warden, Dr. Margaret M. Gibb, has given generously of her resources in every way to the enrichment of the group of twelve senior students who have lived there, and her influence has extended far beyond Macdonnell House. The University has been very fortunate to have her in our midst this session and to have the prospect of her presence with us next session.

Summer School

There were 99 students in Ban Righ Hall, Goodwin and Gordon. Hospitality was given to our Polish scholar and for three weeks to Miss Fay Myles, special instructor without salary in choric speech in the department of English.

War Service Activities

By ruling of Senate the St. John Ambulance courses in first aid and in home nursing were compulsory for first year women, while remaining optional for upper year students. 128 enrolled in first aid, 108 in home nursing and 223 passed the examinations. 604 certificates and vouchers have been obtained since September 1939.

The Red Cross workroom on the campus has been active under convenership of Jean Calvert. \$240 worth of materials have been purchased and made up into quilts, knitted articles, etc. Fifty students under the direction of Madeleine McCosh have given helpful service at the military hospital and soldiers' wards of Kingston General Hospital. Assistance as possible was given at the blood donors clinic.

Miscellaneous service was given by individual students and by groups in canteen work and in entertainment projects for soldiers and airmen.

The University Women's Training Detachment formed by Miss Ross last session carried on this session with drill and instruction, some of its members taking a signal course under R.C.A.F. direction, some taking A.R.P. lectures.

An excellent course in motor mechanics and transport driving was begun in the autumn by arrangement with the Ordnance Corps, but pressure of military work necessitated the discontinuance of this valuable training.

K.C.V.I. evening classes in typing were attended by a considerable group of students.

An address by Wing Officer Crowther was arranged in order that students might obtain first hand knowledge of the Department of Defence plans for the enlistment of women.

Conferences

Ban Righ Hall was opened as usual for two days at the spring convocation to accommodate graduating students and their relatives totalling 94, and for the annual meeting and luncheon of the Alumnae Society.

For the period May 15-18 we accommodated 14 engineers attending a conference at the aluminium plant.

The centenary brought an unusual number of conferences to Queen's, and Ban Righ Hall and its annexes were opened for the following groups:

- | | |
|-------------|---|
| May 19-22 | Royal Society of Canada. 119 persons. |
| May 22-26 | Canadian Historical, Canadian Political Science, League of Nations, Canadian Institute of International Affairs, Canadian Social Science Council. 146 persons, and 61 in adjacent lodgings. |
| June 23-26 | Canadian American Relations. 141 persons, and 35 in lodgings. |
| June 26-29 | Canadian Artists. 108 persons. |
| Sept. 18-20 | Industrial Relations. 59 persons. |

Acknowledgments

I am sincerely grateful to the university medical officers for their unfailing help and consideration; to the wardens and student executives; to the house manager of Ban Righ Hall, Miss A. Theal, who has carried through an increasingly difficult task with great success.

Matters for future consideration

Wider training possibilities for women students at Queen's University are more and more frequently the topic of comment among the alumnae and parents and teachers of future students. These include a school of Household Science, admission to the Medical Faculty and a degree course in Arts and Science subjects and nursing. Details for the last named are tentatively prepared and if this course were authorized, it could go into effect without much delay.

A. VIBERT DOUGLAS,
Dean of Women.

REPORT OF THE SUMMER SCHOOL

I have the honour to submit the report of the Summer School for 1941.

Registration

The total registration for the past three years is as follows:

	1939	1940	1941
Men	283	275	181
Women	189	215	197
	472	490	378

The number of students in 1941 was 94 less than in 1939, and 112 less than in 1940. The decrease was due to war conditions; and it is quite probable that the numbers will continue to go down until the end of the war. The greatest decrease is seen in the case of the men students. In most of the sessions since the beginning of the school the men outnumbered the women. But in several summers following the first great war the number of women was greater than the number of men. In the past summer, the women made up 52 per cent of the total registration.

Of the 378 students in attendance, 108 were here for the first time. Of the 108, 56 were registered with Queen's for the first time. The other 52 had been registered extramurally. 91 per cent of the students were teachers in their home communities. This percentage has varied but little from year to year. The other 9 or 10 per cent are distributed among a variety of occupations. 80 per cent of the total came from the province of Ontario, 14 per cent from Quebec, and the remaining 6 per cent came from other provinces of Canada and from Newfoundland, Bermuda, and the United States. No students were here from Manitoba, New Brunswick, or Prince Edward Island.

Most of the students were registered for regular courses leading to the B.A. degree. But there were 12 registered for refresher work only, 6 for play production only, 3 for choral

reading only, and 1 for oral French only. There were other students in these classes, but they were registered in other classes as well.

A characteristic of the summer school is that many of the students are regular visitors in classes other than those in which they are registered for purposes of credit. In the past summer, for example, each class had, on the average, one visitor for every four regularly registered students. Students *visit* classes partly because they get, in advance, glimpses of the work in which they hope soon to be registered, and partly because of interest in the subject, or because of a desire to brush up on material which will be of value to them in the professional work in the schools.

Staff

Most of the instructors were regular members of the university staff. The only exceptions were the following:

Professor J. P. Pritchett of Queen's College, New York, who is no stranger to Queen's classes in history.

Professor C. W. Topping of the University of British Columbia who was instructor in economics. He graduated from Queen's in 1912.

Mr. N. D. Runnals of the Collingwood collegiate institute, who has had charge of the work in geology in the summer school for a number of years.

Play Production and Music

In connection with the course in play production, conducted by Dr. Angus, three public performances were given. In one of these, three one-act plays were offered, and in another a full length farce was presented. The programme of the third was made up of an attractive children's play and a demonstration of choral verse speaking. The latter is a growing feature of speech training, and was directed by Miss Fay Myles of the Forest Hill Village school. The operetta *Trial by Jury* was presented by the Glee Club under the direc-

tion of Dr. F. L. Harrison. All of these offered striking examples of what can be done in spare time by students in a six-weeks session.

C.O.T.C. and First Aid

Arrangements were made on the first day of the session for C.O.T.C. training for the men and for a course in first aid for the women. 49 of the men took the training of the C.O.T.C. 25 of these wrote and passed the first examination, and 3 wrote and 2 passed the second paper. 29 of the women took the first aid course of the St. John Ambulance Association, and 25 of them qualified for the certificate. The percentage of passes in both first aid and C.O.T.C. is very creditable, in view of the fact that the work was crowded into the busy weeks of the summer school.

For a number of years the Department of Education for Ontario conducted one or more schools on the Queen's campus at the same time as the regular university summer school. The students of these schools joined with the Queen's students in their social and athletic activities. But these department schools were cancelled in 1941 for the duration of the war. There was however another school on the campus, one of about 150 members of the R.C.A.F. who added liberally to the campus life. These men had their living quarters in the gymnasium, and the use of the gymnasium by the summer students was thus limited. But the president of the Q.S.S.A. spoke for all when he said that "we do not grudge the gymnasium to the boys of the R.C.A.F."

As has been usual in the summer school in past years, sing-songs were held on Sunday evenings in Grant Hall. At each one a guest speaker was present to give an address. On July 6 Vice-Principal W. E. McNeill spoke on *The story of Queen's*; on July 13 Dean A. Vibert Douglas spoke on *One hundred years in astronomy*; on July 20 Dr. G. F. Rogers, acting deputy minister of education for Ontario, spoke on *The teacher and the new education*; and on August 10 Principal R. C. Wallace spoke on *The part to be played by educated*

Canadians in reconstruction.

The following meetings were held as usual at the time of the summer school. First, meetings of students looking forward to the study of certain courses extramurally in the following winter session. Instructors or tutors were present to give advice on the work in these courses. The subjects were philosophy, history, and English. Second, meetings of regional groups of students from branches of the Q.S.S.A., to discuss their special interests. The groups this year were from the North Bay district, Lakehead, Bay of Quinte, and Niagara branches. Third, the annual conference between representatives of the student body and members of the university summer school committee. The object of the conference, as in other years, was to discuss any suggestions which the students cared to make for improvements in the programme or conduct of the school.

The Curtis memorial scholarship for 1941 was awarded to Lorne S. Brown, B.A., of Sherbrooke, Quebec. Its value is \$56.00, and it is given each year to a student who has completed the B.A. course by extramural and summer school work. The W. T. MacClement prizes, of \$16.00 each, given to the students taking the highest standing in the September examinations in English 2, History 3, Philosophy 1, and Biology 1, were awarded as follows:

- English 2 —Elsie Carr, Kamloops, British Columbia.
- History 3 —May Meade, Regina, Saskatchewan.
- Philosophy 1—E. R. Mather, Newmarket, Ontario.
 H. R. Smale, Bowmanville, Ontario.
- Biology 1 —W. F. Billo, Brantford, Ontario.

The new Edgar Forrester scholarship in Oral French, of the value of \$20.00 annually, was not awarded in 1941.

The Queen's Summer School Association lived up to its traditions. It performs an important function in maintaining a healthy school atmosphere which makes for maximum study with maximum relaxation. The necessity for this is seen when it is considered that the summer school is held at the time of year when most of the students are supposed to be on

holiday. From the opening day of the session, new students are made to feel that they have become members of a friendly society. The social life is, in the words of a 1941 student, one of "happy informality."

J. MATHESON,
Director of Summer School.

REPORT OF THE DEPARTMENT OF UNIVERSITY EXTENSION

I have the honour to submit herewith the report of the department of University Extension for the year ending March 31, 1942. Although our chief concern has been the efficient handling of the extramural courses, we have continued in our endeavour to extend the facilities of the University. We find that more and more individuals and organizations are turning to the University for help and we must always stand ready to render assistance in those fields in which we are competent. The department has been able to cooperate in a number of projects designed to further the war effort.

Extramural Courses

The war continues to have a definite impact on our extramural registration. An increasing number of our students both men and women are going on active service. Others are entering activities associated with the war. In the summer of 1941 there were 413 women and 438 men registered, a total of 851. In the winter of 1941-42, 879 students were registered of whom 383 were women and 496 men. There were also 117 men on active service overseas taking work this winter. As some students were registered in both sessions and in the summer school the net registration for the year was 1439 — 624 women and 815 men. In addition 24 students were registered in middle and upper school courses so that the total registration was 1463.

An increasing number of men on active service are taking advantage of our extramural courses. As noted 117 of them are now overseas. We have had requests from the overseas director of the Canadian Legion Educational Services for examination papers for some 40 of these students who desire to write this spring.

At the request of the World Student Christian Federation and with the approval of the internement officials our

extramural facilities were extended to interned refugees in Canada, deemed to be friendly aliens, at the special fee of \$15 per course. Eighteen persons registered in some thirty courses covering a variety of subjects. Assistance has been given to others desiring to carry on informal studies. The record of these students as shown in their assignments has been very creditable. Four of these students were subsequently released and are attending university, two of them at Queen's.

Continuous attention has been given to the improvement of our extramural facilities. The tutorial work has been fairly competent. Extension review classes were held in a number of centres. During summer school those intending to register in various courses the following winter were called together and members of the staff explained the nature of the courses.

Educational Services

We have continued to give active and continuous support to this important work. The scope of these services has been increased to include courses ranging from those for illiterates to university courses enabling students to complete approximately half of the work for a pass Bachelor of Arts and Bachelor of Commerce degree. The facilities have been extended to the recently formed women's corps of the army and air force as well as to the merchant marine. To date over 4000 have registered for correspondence courses while stationed in the Eastern Ontario area. In most of the camps coaching classes to assist those taking the courses have been organized. In addition, at the request of commanding officers, formal classes have been carried on in a wide variety of subjects including all levels of mathematics and English, physics, drafting, bookkeeping, shorthand, typing, the 3R's, French, conversation Anglaise, motor mechanics. In a number of centres courses in English, mathematics and physics for pre-entry air crew have been conducted. The personnel of the classes has been provided by the R.C.A.F. and success-

ful students have been accepted for duty. Increased efforts have been made to provide adequate library facilities to accompany the courses and to date 22 libraries totalling over 6000 volumes have been established in the area. The library committee has had the services of a librarian assistant, at first, those of Miss M. McRoberts on a part-time basis and more latterly on full-time those of Miss C. Abbott. Accommodation for carrying on this work is being provided in the university library.

The increase in the number of camps and of personnel necessitated additions to our educational services committee. Mr. W. T. Ziegler, Mr. A. E. Thompson and Mr. R. L. Perkin, principals of the Cornwall, Brockville and Picton collegiate and vocational institutes and Mr. L. W. Copp, inspector of public schools, Peterborough, have been added and are assuming particular responsibility for the troops in their districts. I continue to serve as chairman of the committee, and, following the resignation in October of Mr. F. C. Jennings, also as chairman of the library committee. The organization and supervision of these services as well as the immediate responsibility for them in the Kingston area have made continuous and heavy demands on my time.

From the many comments received these educational facilities are performing a very useful function, not only in increasing the education and thus the efficiency of men while on active service, but also in making them better fitted to return to civilian life.

National Film Information Projection Plan

This plan is a joint effort on the part of the provincial Departments of Education, the National Film Board and the Canadian Council of Education for Citizenship to bring films about Canada at war and the story of Canadian citizenship to rural areas where motion pictures are not ordinarily shown. We organized and are supervising a circuit in this area covering twenty centres in the three adjacent counties. The circuit

started on January 1 and will operate for six months. Each centre is visited once a month and showings are made in schools in the afternoons and to adult audiences in the evenings. In each centre leaders have been chosen. In cooperation with the teachers they arrange for short talks or special presentations on the theme of the main film. These are followed by general discussion. The plan is meeting with considerable success in this area as evidenced by the attendance, the nature of the talks and presentations and the quality of the discussions.

Workers' Education

In cooperation with the Workers' Educational Association, two Labour Institutes were held to provide an opportunity for an examination and discussion of two vital aspects of Canada's wartime policy — Labour and Production. The speakers included Mr. K. W. Taylor and Mr. H. J. Beveridge of the Wartime Prices and Trade Board and the National Labour Board, Mr. Thomas Boyd, president of the Brotherhood of Express Employees, Mr. Robert Steacey of the United Automobile Workers of America, Mr. Drummond Wren, general secretary of the W.E.A. and Professors F. A. Knox, J. A. Corry, J. C. Cameron and G. Vlastos. Both institutes were well attended by workers from Kingston and the surrounding communities. Several of the students took advantage of the invitation to be present.

A W.E.A. class was conducted, largely by members of the staff. Sixteen meetings were held and the general topic was *Current Problems*. A good deal of visual education was carried on and such facilities were also made available to various organizations.

Firemen's Training School

In cooperation with the Fire Marshal of Ontario and the Dominion Association of Fire Chiefs a Firemen's Training School was conducted at the University on April 17 and 18. Members of permanent and volunteer fire brigades from

Eastern Ontario as well as of fire pickets from various military camps were in attendance. The topics were dealt with in a practical manner and were followed by discussion. The speakers included Mr. W. J. Scott, fire marshal of Ontario and Mr. L. C. Anderson, fire prevention engineer and Mr. C. W. Caskey, chief inspector of his department; Mr. W. J. Fuller, St. John Ambulance Association and Professors L. A. Munro and D. S. Ellis. Practical demonstrations of special equipment and of fire fighting methods were given by members of the Kingston fire department under the direction of Fire Chief James Armstrong. The proceedings of the school were published in mimeographed form by this department.

Radio

The University again presented a regular series of quarter-hour broadcasts. There were 105 programmes in all, 56 given by members of the staff — Arts 20, Medicine 12, Science 8, Theology 1, administration 15, 8 by students and 41 by outsiders. Included in the wide variety of topics were special series on science and the war, agriculture, labour problems, public health, nutrition, drama and insurance. The latter series of five programmes was conducted in cooperation with the Canadian Life Officers Association.

Remote control broadcasts were made of some 20 special events. These included 8 during the centenary celebrations of which 3 were carried over the national network. One of the latter was a special Queen's programme produced in co-operation with the C.B.C. Included in the remote control broadcasts were the five public lectures on the general theme *Modern Canadian Problems* for which series the department handled the publicity.

General Adult Education

Some eighty leaders representing various government, agricultural, women's, religious, educational, workers' and service organizations accepted an invitation to attend an Adult Education conference at the University. Reports were re-

ceived and addresses given by Dr. E. A. Corbett, director of the Canadian Association for Adult Education and Mr. Leonard Harman, Ontario secretary of the Farm Radio Forums. The reports showed a wide variety of adult education activities in progress and the subsequent discussion that much still remained to be done. The need of coordination was also evident. An adult education committee was set up by the conference. The committee has met several times. Its membership has been increased to include the agricultural representatives and the public and separate school inspectors of the three surrounding counties. I am serving as chairman of this committee.

To help meet the need for leaders, training schools were held in Napanee, Kingston and Brockville. The purpose was to afford instruction to leaders in meeting the needs of their communities in adult education. The value of study groups was stressed. Mr. S. L. Page, agricultural representative, Barrie, and Miss Ethel Chapman, women's editor of the Farmers' Magazine, were present. These outstanding leaders gave much valuable information and advice. An active part was taken in organizing Farm Radio Forums. These groups listened to a weekly radio broadcast on topics vital to farmers, following which these topics were discussed and their findings reported to a central office. Special action projects were undertaken. Assistance was given also in the formation of study groups on other topics.

A collection of inexpensive material on a wide variety of topics has been gathered together in the department. This material is available on loan to study groups and individuals. There is real need for an extensive library of pamphlets and other inexpensive reference material.

A start has been made on a play loan library. This was made possible through the gift by Samuel French (Canada) Limited of over 500 copies of plays. These are available on loan and many groups have taken advantage of the opportunity.

External Relations

Our facilities were explained to the teachers in training in the seven normal schools in Ontario and at Macdonald College in Quebec as well as to the senior students of several secondary schools. In all, I spoke to the members of over one hundred organizations. Assistance in securing speakers was given to several others. An active part has been taken in the affairs of the Canadian Association for Adult Education. On invitation a number of organizations held their conventions at the University. The continued cooperation received from the press in the surrounding communities has been very helpful. The department was again glad to assist other departments of the University in the carrying out of certain of their projects.

I should like to express my appreciation to Miss Kathleen Healey and the other members of my staff for their continuous and wholehearted cooperation.

R. M. WINTER,
Director.

REPORT OF THE LIBRARIAN

I have the honour to present my annual report upon the work of the university library.

Stock of Books

The number of volumes in the libraries of the University is as follows:

March 31st, 1941	197,571	
Added during 1941-42:		
By purchase	1,589	
By gift	1,543	
Through binding (periodicals, etc.)	1,100	
By exchange	28	
To Miller Hall library, through accession and cataloguing	643	
		202,474
Lost or withdrawn from stock		179
Total stock on March 31, 1942		202,295

Issue of Books

We record a total issue of 87,372 volumes:

Carruthers Hall	504	
Circulation department	27,954	
Documents	3,822	
Extramural (lent)	687	
Gordon Hall library	646	
Inter-library loans:		
Borrowed	246	
Lent	74	
		320
Medical and Biological library	3,810	
Miller Hall library	871	
Periodicals	2,140	
Reference books from stacks	1,171	
Reserved books	44,741	
Theological library	706	
		87,372

These issues reflect the fact that the number of our students has decreased, and that those who remain have less time for general reading. By far the greatest decrease has taken place in the issue of reserved books. The circulation issue shows a relatively small decline and the number of periodicals read has increased by 345 over the number recorded in the previous year.

Issues from most of the departmental libraries show small increases, as also does the issue of volumes brought from the stacks for reference.

The total number of borrowers was 1695, made up as follows: staff, 207; graduates and teachers, 153; students, 1310; men of the forces, 25.

Order Department

The work of the order department during the year is summarized as follows:

Books ordered, 2459; (in addition, a number of books, periodicals, and government documents were ordered for the industrial relations section).

Extramural. 105 new deposits amounting to \$170.70
44 refunds amounting to \$92.54
687 books mailed and 161 letters sent
500 extramural cards, inactive since 1925, removed from the file: a total unclaimed balance of about \$1080.00.

Inter-library loans. 74 volumes were loaned to other libraries; and 246 volumes, 4 microfilms, and 6 photostats were borrowed for students and members of staff at a cost of \$40.14.

Queen's bindery. 203 volumes sewed
221 volumes repaired, 48 volumes reinforced
563 volumes full bound, 14 volumes $\frac{3}{4}$ bound, 171 $\frac{1}{2}$ bound, 260 $\frac{1}{4}$ bound
264 pamphlet covers and 82 loose leaf covers made
18 volumes and documents separated into pamphlets
25 maps and documents mounted on linen
In addition, many hundreds of periodicals and books were sent away for rebinding.

New subscriptions were placed for 27 journals and 7 old subscriptions were cancelled.

Monthly financial statements were issued, and monthly booklists were typed for the bulletin board and for members of staff.

40 parcels of books and medical periodicals were received through the medical exchange.

Cataloguing Department

Volumes accessioned, 3713; volumes catalogued, 3615; cards filed, 16,717; volumes labeled and prepared for circulation, 6221. The cataloguing of the library at Miller Hall has been continued, but owing to the pressure of work in the Douglas Library and to staff changes it has not yet been completed.

Miss Janet Porteous has done splendid work in the preparation of the catalogue of the McNicol collection.

Departments of Reference and Documents

"Reference questions are as numerous as ever, and are becoming more and more technical in character." 771 search questions and 511 reference questions were answered during the session. 350 additions were made to the vertical file.

3822 documents were circulated in addition to the numerous consultations made by students of which no record was kept. 3649 volumes of documents were catalogued. The number of British documents received was far fewer than the average before the war, but the documents ordered from the U.S.A. have been maintained in number.

Gifts

We have to thank numerous donors for 1543 volumes and pamphlets received as gifts. Here we especially note the seven volumes of medical records compiled and bequeathed by the late Dr. Thomas Gibson; the incunabulum of 1498 given by Dr. J. M. Shaw; the volumes of Shakespeare documents given by Mr. Nathan van Patten; and the valuable additions made by Dr. Lorne Pierce to his splendid collection. It is hoped that in the course of the next twelve months the coming of the Bliss Carman volumes and documents still in Dr. Pierce's possession may enable this collection to be rounded off for the time being by the publication of a catalogue.

Queen's Centenary

During the centenary celebrations in October the library was shown to a number of interested visitors. Cases in the reading room exhibited many of our treasures: the Vesalius of 1555, the Aquinas of 1477, a scarce Bible printed in Paris by Thielman Kerver, and other incunabula. The list is as follows:

Books that have been in the library for one hundred years.
Books used and given by principals and teachers of Queen's.
Incunabula.
Old manuscripts.
Rare Canadiana.
Early medicine.
Bibles and ancient theology.
Early chemistry and physics.

Queen's Early Documents

We have begun to work on our intention, noted in this report last year, of arranging and cataloguing the manuscript collections in the library. A start has been made upon the very large number of letters and printed material concerning the history of Queen's since 1837. These have been divided in two parts: the Morris Letters, about 500 in number, and the miscellaneous letters and documents up to 1875. The latter have been arranged and catalogued by Miss Janet S. Porteous. There are over 2700 of them and when bound in loose leaf fashion they will provide a most valuable commentary on, and explanation of, the inner history of Queen's. It is expected that a catalogue of the McNicol collection will be published during the coming year; a catalogue of the map collection is nearly complete; the Charles Mair Papers have been listed, and several of the smaller collections have been numbered, examined and prepared. Only the expense of printing deters us from making these important collections available. If friends of the library could undertake even a portion of such expense it would be a worthwhile benefaction.

General

The annual stocktaking found on the shelves thirty-five volumes reported missing in previous years, but was not able to find 118 volumes. Some of these, however, are certain to return.

The handlist of encyclopaedias, and other works of reference, was reprinted and has been much in request.

The librarian attended the conference at Boston of the American Library Association, and also a meeting of Eastern College Librarians in New York.

The usual talks on the library were given to freshmen both in Arts and in Science.

A new scale of salaries, in accordance with the upward trend since the beginning of the war, was adopted at the end of 1941. It is hoped that this will enable Queen's University library to command adequate professional service.

Staff

Miss Marjorie Sherlock was appointed head cataloguer in August and has already done excellent work. Miss Helen Ireland obtained leave of absence in October to attend the Library School in Toronto. At present the library lacks the services of three assistants, Mr. Wilmot having resigned to join the Air Force, Miss Margaret McRoberts on account of incipient matrimony, and Miss Jean Davies to go to Ottawa. Only two of these appointments will be filled, as the library, in common with other departments, is making sacrifices *for the duration*.

The librarian is very grateful to every member of the staff for their excellent work under difficult conditions.

E. C. KYTE,
University Librarian.

REPORT OF THE SCIENCE RESEARCH COMMITTEE

The Science Research Committee presents the following report on work done during the past session. Some members of our staff are on committees connected with the war effort and there has been an increase in the number of people doing war research here.

It will be noted that there has been very little apparent effect, after two and a half years of war, on the amount of research that is being carried out in the various laboratories, and the work done is of high quality. The war, however, is having effects which are becoming quite noticeable. There are fewer students who are in a position to act as research assistants and to do graduate work, and it is becoming increasingly difficult to obtain equipment. It does not appear to be practicable to carry out certain types of researches for some time to come.

In these reports we have invariably had occasion to refer to the value of the work done by Mr. R. D. Bradfield. His work during the past year has been of more than ordinary importance.

Once more we wish to thank the administrative officers of the University and the members of the Board of Trustees for their continued support.

It is gratifying to be able to report substantial aid for research at Queen's through a gift of money made by Mrs. James A. Richardson of Winnipeg. From this fund the sum of \$3500 has been made available to the research committee. The amount has been allocated to nine members of the staff and the prosecution of projects which otherwise would have been impossible has been assured. Some of these projects are of great importance and should lead to significant results. The prospect of similar assistance during the coming session is most encouraging to the men of Queen's who have accomplished so much with the rather meagre resources at their command.

Reports from individual members of staff are given below.

Dean A. L. Clark, assisted by Mr. L. Katz, has calculated the specific heats of sulphur dioxide and nitrous oxide from observations taken last session. The values found are in agreement with previous determinations and appear to be more accurate than any hitherto obtained.

Dr. L. A. Munro reports that his research has been confined mainly to a war project, but that the work on catalytic activity reported to the Royal Society of Canada is being extended to other catalysts.

Dr. E. L. Bruce states that he has been studying a new type of gold deposit occurring at Missanabie, and that, with Mr. H. A. Quinn, he has investigated wall rock alteration in certain gold deposits. There have been studies in his laboratory of the gold deposits of the Kerr-Addison mine by Mr. F. A. Killer; of the occurrence of brucite, magnesium hydroxide by Mr. I. C. Brown; and of the geology of the magnetite deposit at Glendower by Mr. N. A. Patterson.

Dr. L. F. Goodwin and Professor G. A. Revell have continued work on a quantitative study of the synthesis of benzaldehyde. An accurate apparatus for gas analysis is being set up.

Dr. G. B. Reed, aided by Mr. J. M. Brewster, has completed a study of the production and activity of fibrinolytic enzymes of the gas gangrene group of bacteria. It has been shown that these enzymes are similar to those produced by certain other groups of bacteria and that they constitute an important factor in the spread of gas gangrene infections. A paper on this subject is in the press.

Dr. J. H. Orr, with the assistance of Mr. C. R. Black, has carried out a study of the effect of combining immobilization by means of plaster casts with local application of sulphonamides in preventing the development of gas gangrene. The results indicate that the combined treatment is better than that of immobilization alone. They have been published in the American Journal of War Medicine.

Dr. E. G. Taylor has completed his study of the conductance of dicyanotriazole in aqueous solution. The results have been submitted for publication.

Dr. B. W. Sargent carried out research in Ottawa during the summer months of 1941. Since then he has used a mechanical oscillograph and moving film to obtain permanent records of the time of expansion of a cloud chamber under various conditions of air damping. The exactness with which this expansion and light flash repeat in time was also investigated. These events repeat to better than one thousandth of a second.

Dr. J. A. McRae and Mr. W. H. Stevens have continued investigations on methods for the production of certain chemicals having military uses. With Mr. Stevens also some work on camphoryl-thiosemicarbazide has been concluded. They have also studied the action of the Grignard reagent on diarylsuccinonitriles. Mr. R. Y. Moir has tested by synthetic methods a structural formula that others have suggested for castelmaria and has found it to be erroneous. Mr. F. H. Griffiths has continued earlier work on the synthesis of certain carboxylic acids of the diphenyl ether type.

Dr. E. M. Robertson and Mr. M. Chepesiuk have carried out "detection of ovulation" experiments in rabbits and rats. The results were not good and consequently the apparatus used has been returned to the makers for reconditioning. Extraction apparatus for the estimation of androgen excretion in human and female urine has been set up by Dr. Robertson, Mr. M. Chepesiuk, Mr. E. Badre and Mr. V. Franklin. The extractions and colorimetric estimations are proceeding.

Dr. G. Krotkov has worked out a method for the determination of the insoluble phosphorus content of the apple fruits and by its use has made a preliminary survey of the changes in this form of phosphorus during cold storage. Work on the carbohydrate metabolism of apples has been continued.

Dr. B. Kropp has continued his experimental study of the trophoblast. With the assistance of Mr. V. F. Franklin

he has studied the sensory innervation of the rabbit vagina. The work will be published soon. An investigation of the action of sulphanilamide on phagocytes in experimental gas gangrene in guinea pigs has been carried out with the aid of Miss D. G. Smith.

Dr. J. Wyllie assisted by Mr. M. Harris investigated some rare food-poisoning bacteria of the *Salmonella* group. They were able to identify four members as *Salmonella bareilly*. With the aid of Mr. F. Howatt a study of the use of the photo-electric colorimeter in Scharer's modification of the phosphase test has been continued. It is expected that this and previous work will soon be ready for publication.

Dr. G. H. Ettinger and Dr. Margaret M. Sawyer have investigated (1) the effects of chronic excitement on the vagus nerve in the dog, induced by daily infusion of posterior pituitary extract (2) the nature of the inhibitory action of posterior pituitary extract on the dog-heart (3) the effects of daily infusion of adrenaline upon the heart and blood-vascular system of the dog. With the aid of Mr. I. S. Kaleal, Dr. Ettinger has studied the somatic growth-depressant effects of testosterone in the chick.

Dr. N. W. Buerger has completed the investigation of the newly recognized digenite Cu_9S_5 . With the assistance of Mr. Bradfield an improved x-ray powder camera has been developed. Mr. W. Fritz has been studying phase changes of Ag_2S by means of the controlled temperature powder technique. A detailed investigation of the structure of the minerals argentite and acanthite (both Ag_2S), embracing temperature modifications has been started. This has been made possible by the recent acquisition of a Weissinberg x-ray goniometer.

Dr. J. Miller has reported the results of various investigations to the Royal Society of Canada and the Ontario Association of Pathologists. They include *Melanosis of the vermiform appendix* by J. Miller and J. W. Adams, *The structure and function of the hormone-producing ovarian tumours* by E. M. Robertson and J. Miller, *Two cases of carcinoma of*

duodenum by W. D. Hay and J. W. Adams. There were also papers by J. Miller, J. W. Adams and P. W. Rutherford and by J. Miller and A. H. Vowles.

Dr. E. M. Boyd reports that the work of himself and students has been directed mainly to studies of the action of expectorant drugs. In these experiments he has had the assistance of Mr. W. F. Perry in working out a method for measuring expectorant action in animals and, in other aspects of the work, the assistance of Miss A. Ronan, Miss M. Baker, Miss M. MacLachlan and Mr. T. Sourkes. Other types of experiment have been carried out by Messrs. D. Hall and D. Maunsell, by Mr. S. Hitsman, and by Messrs. J. Pratten, R. Notman, Kwong Lee, C. Reich, E. Ewart and W. Wigle, the latter group having investigated the antipyretic action of a large series of sulphonamides and finding that they had no effect, when administered in therapeutic doses, on artificial fever produced in animals by peptone.

Dr. J. E. Hawley has been studying some of the siderite-pyrite-chart ranges of the Michipicoten district in Ontario, the material having been obtained during last summer's field work.

Dr. W. Ford Connell and Dr. E. M. Boyd have continued their studies of blood lipids in thyroid disease.

Dr. D. O. Hebb has completed the preliminary standardization of four new homogeneous tests of adult intelligence. Mr. K. Williams has prepared a method of testing rat intelligence comparable to that used with man. Mr. John Houck, in collaboration with Dr. C. H. McCuaig and Dr. Hebb, has been making a quantitative study of social comprehension in schizophrenia.

Dr. E. E. Watson has carried out preliminary experiments which show that when the surface temperature of sea water is below the dew point of air above, condensation may occur directly on to the water, thereby giving heat of vaporization to the water instead of to the air, as is the case in fog formation. The experiments show that the resulting de-

crease in density of the surface water is much greater than that occurring when an equal mass of fog is precipitated.

Dr. R. G. Sinclair reports that during the past year his department has been concerned with several problems in the lipid field such as a study of methods for determining the various compound lipids; the determination of the relationship between the structure of fatty acids and their utilization for the synthesis in vivo of phospholipids and cholesterol esters. The nutritive value of various fats has been estimated.

Dr. J. A. Gray and Mr. E. B. Paul have studied the effects of slow neutrons on certain elements and Dr. R. A. Chipman and Mr. A. C. Burr have been engaged in radio research.

A. L. CLARK,
Chairman.

J. A. GRAY,
Secretary.

REPORT OF THE ARTS RESEARCH COMMITTEE

Through its sharing, to the extent of \$1500.00, in a generous grant made by Mrs. James Richardson to promote research in the University, the Committee on Research in the Humanities has been able to extend its usefulness to members of the Faculty of Arts during the year; and the greater part of the committee's discussions and decisions have been concerned with the most useful and productive uses to which this very welcome fund should be devoted. Grants have been made to members of the faculty for travelling expenses, for the purchase of books and research materials, for assistants to undertake bibliographical or statistical tasks, and for the expenses of inter-library loans. Most of the funds granted by the committee are to be used either for the payments of research assistants, or for the travel expenses of faculty members who propose to work at the larger university centres in the United States; and for this latter purpose, in normal times an even greater proportion of the funds at the committee's disposal would be assigned.

The following members of the faculty have reported on research activities upon which they are now actively engaged or which they will have in hand in the near future. An account of work actually published by members of the Faculty of Arts appears elsewhere in this volume.

Professor H. Alexander intends, if conditions permit, to continue the collection of Canadian dialects in Ontario, in connection with the *Linguistic Atlas of the United States and Canada*.

Dr. William Angus expects that a paper *Actors and audiences in the eighteenth century London theatre* will appear in a forthcoming volume of studies in honour of Alexander M. Drummond of Cornell University.

Dr. A. V. Douglas has brought to completion this year a limited investigation of the relative intensities and central absorption of Balmer lines in the spectra of hot giant stars.

Dr. H. M. Estall has continued the study of the seventeenth century attitude toward natural law and expects to proceed with his researches in the Harvard library during part of the coming summer.

Dr. F. L. Harrison is engaged on a work dealing with the symphonies of Sibelius and is hoping to continue his project in certain libraries in New York City during the late summer.

Dr. H. Henel reports that his edition of Aelfric's *De Temporibus Anni*, which was begun in 1931 and completed in 1938, has been in the hands of the Early English Text Society since its completion. The final proof was read in January 1941, but wartime difficulties in Britain have so far made it impossible to print the book. A copy of the final proof is in the Douglas library. Dr. Henel reports further that three articles were completed in 1941. One has just appeared in *The Germanic Review* (Columbia University) and the other two have been accepted for publication in *Speculum* (Mediaeval Academy of America) and *The Journal of English and Germanic Philology* (University of Illinois). Further work is in hand.

Professor J. L. McDougall has now in hand as his chief research project a study of incremental costs and of relative efficiency of the two chief Canadian railway systems. This is a correlation study whose results show, on an annual basis, the marginal costs for each function and the proportion between fixed and current costs at various levels of revenue; and for transportation expenses only by months, it will show the marginal costs and relative operating efficiency.

Dr. Glen Shortliffe is collaborating in the preparation of a new *Critical Bibliography of French Literature*, a project of the Bibliographical Committee of the Modern Language Association of America.

Dr. H. L. Tracy is examining the evidence for the method of producing Greek tragedy to be found in the text of the plays. A comparative study of French classical tragedy, undertaken with the help of an assistant, will serve as a control.

Dr. R. G. Trotter is continuing his study of the making of Canadian Confederation with special attention to the influence of relations with United States.

Dr. Gregory Vlastos is proceeding with his studies in early Greek philosophy and science and hopes to complete certain parts of the bibliographical work at the library of Harvard University in May of this year.

J. MATHESON,
Chairman.

ARCHIBALD DAY,
Secretary.

REPORT OF THE UNIVERSITY ART COMMITTEE

In addition to continuing his regular classes in the University and with the Kingston Art Association, Professor André Biéler, the resident artist, has contributed notably to the art life of Canada during the past year.

The conference of Canadian Artists, which he conceived and organized with the aid of a grant from the Carnegie Corporation and the cooperation of the National Art Gallery, met at the University June 26-28 and at Ottawa June 29. Expert demonstration of advanced techniques in painting, by the Boston Workshop, and stimulating and informative addresses by such other visiting Americans as Thomas Hart Benton and Edward Rowan were matched by discussions of the problems of the artist in Canadian society.

The attendance at the conference was about one hundred and fifty. Its results for art in Canada will be far-reaching. The Proceedings, in the editing of which Mr. Biéler was assisted by Mrs. Harrison, the tutor in fine art, have been published under the title, *The Kingston Conference*. Out of the discussions at the conference has come the formation of a Federation of Canadian Artists, of which Professor Biéler is the president.

Mr. Biéler lectured in the Maritime Provinces in January, speaking at the Universities of New Brunswick, Mount Allison, Acadia and Dalhousie and at Saint John and Charlottetown.

Paintings by Mr. Biéler and Mrs. Harrison have been hung at a number of Canadian exhibitions during the year.

It was not possible to hold the usual loan exhibitions at the University, but a selection of reproductions was hung in the senate room. Progress has been made in building up a teaching collection of kodachrome slides of paintings, which the work of the Princeton Co-operative under its Carnegie Corporation grant has now made it possible to accomplish on a growing scale. Mr. Biéler gave a public lecture on some of

these slides when he also presented a colour film of Mr. A. Y. Jackson's paintings.

Mr. Biéler has also been instrumental in organizing the Queen's Summer School of Fine Arts as an expansion of the summer programme which will attract students looking to art as a career. Mr. Edwin Holgate of Montreal will be associated with Mr. Biéler in conducting the classes in painting.

REGINALD G. TROTTER,
Chairman

REPORT OF THE RESIDENT MUSICIAN

Two courses in music are now included in the Arts curriculum. The work of the first year is an historical survey, that of the second an introduction to harmony and counterpoint, and their creative application in elementary composition.

A special choir, with a membership drawn from staff and students, was organized for the centenary, and took part in the service of commemoration and the centenary convocation. During the remainder of the session two choral groups were active. The student Glee Club presented Gilbert and Sullivan's *Pirates of Penzance* at the Kingston collegiate auditorium on February 3rd and 4th. The university choir of twenty-four voices sang at the university services, at the December meeting of the Kingston Music Club, and performed the St. John Passion of Bach in Convocation Hall on March 20th, assisted by a string orchestra.

The hours of opening of the music room were extended by the inclusion of evening periods. Its facilities have been in constant request for both afternoon and evening periods.

Arising out of resolutions presented by an informal committee to the Matriculation Conference of 1941, that body appointed a committee consisting of representatives of the Ontario universities and of the Department of Education to consider the relation and possible coordination of courses in music in high schools and universities in the province. This committee has prepared a report which will be submitted to the Easter meeting of the Matriculation Conference.

F. LLEW. HARRISON,
Resident Musician.

REPORT ON MEN'S PHYSICAL EDUCATION

Continuing with the war-time policy of attempting to stress general participation in physical exercise among the male student body, the physical education department can report that this aim has been achieved only to a limited degree.

The participation by the men in intramural athletics has been definitely on the up-surge, but it is nothing to what can be done if space and facilities permit. In the last two years the addition of sports, such as table tennis, golf, and bowling, has been responsible for more men taking part in our programme for physical fitness. The sports of basketball, boxing, wrestling, gymnastics, indoor baseball, and particularly handball, have definitely been curtailed due to lack of accommodation in the gymnasium. In my opinion, if the national policy of maximum physical fitness among our youth is to be attained at the University, we must provide a wider and better physical training programme for all students, not only for the freshmen class. As circumstances stand now in our gymnasium, such an expansion cannot be accomplished.

On the other hand, first year students at Queen's have shown a marked desire to attain a healthy balance between mental fitness and bodily fitness. Attendance at the compulsory physical training classes for the auxiliary battalion has been good, as has been the attendance among the freshmen under the military age. The usual training in calisthenics, indoor games, track and field sports, and swimming has been accorded these men and there has been little, if any, change over last year's programme in this respect.

Mr. Berry, swimming instructor, reports a poor year in the use of the pool, especially in early winter. This has been due to several factors, chief of which seems to be the lack of comfort for the men during the colder winter months. Since the first of February, this situation has been improved, but it cannot be stressed too much that, if swimming, life saving, and recreative swimming are to be taught, the pool

must be comfortably warm. I would suggest that next year we employ a pool life-guard rather than a swimming instructor. While the general male student body is engaged in military training, the freshman compulsory training class has been reduced to about twenty-five in number, and little actual instruction is required on the part of the instructor. As long as this war programme continues, we need primarily a competent life-guard, with a change in hours for the men. Instead of closing the pool at six o'clock, as we now do, thereby cutting off the men who have C.O.T.C. lectures, it should be open from four o'clock until seven o'clock.

The following is a compact review of the trend in intramural participation at Queen's in the last four years.

PARTICIPATION IN INTRAMURAL ATHLETICS AT QUEEN'S

	1938-39	1939-40	1940-41	1941-42
Hockey	168	168	195	195
Basketball	130	150	160	150
Football	65	65	75	75
Indoor Baseball	144	156	144	198
Bowling			140	199
Track & Field	79	80	174	279
Boxing & Wrestling	15	15	36	62
Swimming	35	65	68	182
Skiing		31	25	54
Cross Country	30	77	74	133
Tennis	25	77	132	137
Golf			20	21
Gymnastics		30		19
Table Tennis			432	539
Handball	13	62	148	
Touch Football		100		
Totals	704	1076	1823	2243

JOHN F. EDWARDS,
Director of Physical Education.

REPORT ON PHYSICAL EDUCATION FOR WOMEN

The physical education classes for first year students showed a decrease of fourteen in the number registered. In consideration of the importance of healthy men and women in the present national emergency I am concerned that ten per cent of first year women students were considered physically unfit to take exercise, and think this situation might be rectified in some cases by remedial gymnastics.

Intramural competitions were held in eight competitive sports and the first year students showed most interest and proficiency by winning the largest number of points. In archery and swimming Queen's was able to take part in the intercollegiate telegraphic meets, but in other sports they were limited to the competition they could get on their own campus.

Archery benefited by the change in location of the archery range to the stadium where there is some wind protection and no danger for over-curious bystanders. Interest in fencing has decreased and may have to be discontinued owing to the difficulty of getting new blades for the foils, and to the lack of a suitable place to practice, since the R.C.A.F. has taken over the small gymnasium.

Miss Dora Tottenham, the swimming instructor, reports a successful season. Two new records were set at the inter-year swimming meet held in December. In the intercollegiate telegraphic meet the Queen's girls placed second to Varsity and only two points behind, the closest they have ever come to that experienced squad. Ten girls qualified for the bronze medallion of the Royal Life Saving Society, one for the bar to the bronze, two for the award of merit, and one for the first class instructor's certificate. Twenty-two girls took part in the *Water Follies* which were held in February. This shows the growing interest in ornamental swimming.

A University Training Detachment of the Canadian Red Cross Corps was operated at Queen's for a second year. Basic

training requirements in military law, military drill, history of the Red Cross Society, and Red Cross Corps, and first aid were completed, but it has not been possible to arrange a class in air raid precautions. In addition to the basic training five members of the detachment completed a course in signals that required sending and receiving morse code by means of a ticker. Earlier in the year a course in motor mechanics and transport driving had been organized in conjunction with the training centre at Barriefield. After eighteen hours of the training had been completed the course was discontinued due to the pressure of work at the training centre.

MARION ROSS,
Physical Director for Women.

REPORT OF THE MEDICAL HEALTH OFFICER

The following is a report of the medical services rendered to students in attendance for the term 1941-1942.

All new students were tuberculin tested and all positive reactors were x-rayed and of these none were found to require further observation.

The total number of office visits during the year was 2369, house calls 23, hospital admissions 326. There were 10 major operations and 9 minor operations.

During the year seven students were forced to withdraw from the University in the interest of their health.

Respiratory infections again heads the list as the cause for admission to hospital.

The health of the students has to my mind been much better this year. This is especially true in the case of the male students and I put this down to the fact that the majority of these men are taking military training which gets them out in the fresh air and provides them with exercise which they might not otherwise obtain.

J. T. TWEDDELL, M.D.,
Student Medical Officer.

REPORT OF THE QUEEN'S UNIVERSITY CONTINGENT CANADIAN OFFICERS TRAINING CORPS

Compulsory military training was carried out under university regulations which were almost identical with those of last year, except for students in clinical years in medicine, who took a course in military medicine in lieu of military training. A minimum of 110 hours training at the University was required. Those who would otherwise be subject to call to the active army were also required to serve two weeks in camp.

Membership in the C.O.T.C. was restricted to applicants with one year of military training or equivalent. Recruits made up the auxiliary battalion.

The strength of the contingent was 792 including 105 in clinical medicine. The auxiliary battalion numbered 299.

The contingent and the auxiliary battalion spent two weeks in camp at Barriefield in May. Candidates for qualification for commission completed training there and took the practical examinations. Certificates were obtained as follows:

Artillery (M)	61
Engineers	90
Signals	23
Infantry (R)	58
Medicals	78
Total	310

As a result of a change in method of qualification for commission in the active army, training at the University was confined last session to basic and "Common to Arms." 333 candidates wrote the examination in syllabus "A" 21st March.

Lt.-Col. Jemmett who had been chief instructional officer was transferred to National Defence Headquarters in March. He was replaced in September by Major F. H. Brown, M.C., E.D., G.G.F.G. Lieut. Adelkind was required to retire

in June because of low medical category. He was replaced as Adjutant by Capt. W. H. Agnew.

Major Prince retired because of ill-health.

The annual inspection was held at Vimy Barracks, 17th May by Maj-Gen. T. V. Anderson, D.S.O.

The unit was inspected 18th October by His Excellency the Governor-General.

The cup for the best company was awarded by the D.O.C. to the medicals.

The American Legion scholarship was won by Cpl. G. G. S. Moulds.

The annual dinner for officers, W.O.'s and N.C.O.'s was held 13th March, the guest speaker being Col. R. G. White-law, Commandant, Officers' Training Centre, Brockville.

During the training season 1940-41 the assets of the contingent were increased by \$22,289.06.

It is a pleasure to report the assistance received from the D.O.C., M.D. No. 3, and his staff, from the university authorities and from all others with which this contingent has had relations.

R. O. EARL, LT.-COL.,
O.C., Q.U.C., C.O.T.C.

REPORT OF THE ATHLETIC BOARD OF CONTROL

In connection with the centenary celebrations of last October, the Athletic Board of Control sponsored a senior "big four" football game between Montreal and Toronto Argonauts at the George Richardson memorial stadium. The large crowd present was reminiscent of the colourful pre-war intercollegiate games.

A really great junior football team under its coach, Mr. John Edwards, made some history this past season. Winning all its games in the local football group, this team invited the Hamilton junior team to visit Queen's. Hamilton was recognized as the junior Dominion champions and in soundly beating them by 18-0, our team is considered the best junior team in Canada.

Our hockey team won the George VanHorne hockey championship after a rousing series.

In basketball, we had a winning junior team in the local O.B.A. group whilst our first team were runners-up in their series.

A successful boxing and wrestling meet with outside opponents was held in the gymnasium in December.

Mr. Edwards' report will show a healthy programme of intramural athletic activities being carried on in the gymnasium, stadium and rink and with increased participation by the students over last year.

The Jock Harty arena again this season experienced a busy time with large attendances at hockey games, skating, etc.

A spectacular swimming and diving display—*The Water Follies*—ran three evening performances before capacity crowds at the gymnasium pool. The proceeds were for Queen's War Aid Commission.

Maintenance work has been continued at the stadium, tennis courts and rink. Extensive replacements have been made to the freezing machinery at the arena.

CHAS. HICKS,
Secretary,
Athletic Board of Control.

REPORT OF THE SCHOOL OF NAVIGATION

I have the honour to present herewith the annual report of the twenty-eighth session of the School of Navigation. As in the other navigation schools, the attendance at our school has been greatly affected by war conditions. A number of men who otherwise would have been in attendance have been serving on ocean-going merchant ships. Such men are allowed to postpone their military service. Further, the unusual opportunities for winter employment and the wages offered have attracted men who otherwise would have been improving their marine status through study. Finally the steadily increasing requirements for certificates have had the effect of discouraging some men who have been intending to go further with their studies. This year for the first time all candidates were required to pass examinations in signalling with the Morse lamp and with flags.

The new Dominion examiner has proved to be a very competent man fully aware of the difficulties facing the candidates, many of whom lack proper fundamental training but have good practical knowledge.

Four students passed examinations for certificates as follows:

Home Trade Master	1
Home Trade Mate	1
Inland Waters Mate	2

A few men came in irregularly to practice signalling but did not attempt the examinations.

During the 28 years of operation, 612 men have attended the school and 320 certificates have been issued. Beside this number 69 have obtained the Queen's diploma and 58 pilots have received certificates. Queen's has thus been able to serve Canada by assisting a large number of men to positions of responsibility in the marine shipping field.

The school and equipment were placed at the disposal of the naval officer at the naval barracks, but lack of time prevented these men from taking advantage of the offer. Perhaps later some service of this kind may be rendered.

A. L. CLARK.

REPORT OF THE ALMA MATER SOCIETY

The past academic year, marking the centenary of the University, and the eighty-third year of the Alma Mater Society, has witnessed numerous achievements which redound to the credit of student government.

Levana and Medicine were victorious in the annual fall election of officers on the Alma Mater Society executive. For the first time in the history of the society a woman was elected president. The position of secretary was won by Levana's other candidate. Mrs. R. C. Wallace was elected honorary president by acclamation. After the elections, the majority of promises made by the candidates in campaign platforms were fulfilled.

The students figured prominently during the centenary celebrations in the fall; His Excellency the Earl of Athlone, Governor-General of Canada, whom they had appointed as their Rector, delivered his rectorial address at the centenary convocation, and inspected the C.O.T.C. The Alma Mater Society financed the centenary fashion show put on by Levana, and students served as campus guides for the benefit of graduates and visitors. The pipe band, playing around the campus each noon, did much to increase the Queen's spirit.

The Alma Mater Society executive lost a great friend and valuable supporter when their permanent secretary-treasurer, Herb Hamilton, was called to Ottawa on war work. To Charles Hicks, secretary of the Athletic Board of Control, was given the difficult task of filling the vacancy; he has done a fine job for which the executive offer him their sincere thanks. After Christmas the executive missed another staunch supporter in Lorna Breckon, president of Levana, who has just now been released from hospital after a serious illness. Peggy Clark, vice-president of Levana, carried on in Lorna's place and proved a valuable member.

The second annual Alma Mater Society lecture was given on February 4th by a Queen's graduate, Dr. Watson Kirk-

connell, now head of the English department at McMaster University. Grant Hall was filled to capacity for the lecture. The executive of the society distributed to the students free copies of Dr. Kirkconnell's booklet *Canadians All* which, besides being relevant to his lecture and of current interest and value, proved a nice remembrance of a highly successful event.

The Queen's War Aid Commission was re-organized as a sub-committee of the A.M.S. to consolidate all student war effort, and in that capacity it realized over two-thirds of its \$4000 objective. The A.M.S. ruled that the Q.W.A.C. auditor was to collect a tax of fifteen cents on every year dance ticket. A large per cent of formal profits was given to the Q.W.A.C., but, on request, said profits could be kept by the respective faculty societies provided that they be used to purchase war loan bonds for the student building fund. Formal corsages sold at the door netted the commission a considerable sum of money. Students of all faculties, under the auspices of the A.M.S. and Q.W.A.C., and directed by Wallace Berry, put on the Queen's *Water Follies*; an approximate profit of \$400 was given to the War Aid Commission. As a direct, non-financial aid to the war effort, the A.M.S. sponsored a voluntary blood donor's campaign, signing up 763 student volunteers.

The A.M.S. gave financial aid to a number of student interests and war projects: grants of \$50 and \$75 were made to the Levana Red Cross room and the Debating Union respectively; it financed the Journal editor's trip to the Canadian press conference; it held a Red Cross benefit dance which netted \$121.31, and was given to the Canadian Red Cross Society; through canvassing students, and a special *open house* with a 25c admission charge, the society raised \$100 in aid of students who lost possessions in the Mt. Allison men's residence fire; it set up a national scholarship campaign committee, composed of one member from each faculty society, one from the Queen's Student Assembly, and one from its own executive, and financed a campaign.

Open house programmes in Grant Hall were again very popular. In accordance with its policy of providing inex-

pensive entertainment, the A.M.S. did not charge admission. The Coca-Cola concessions covered expenses and in addition turned over to the A.M.S. a profit of \$37.83 which will go into an *open house* reserve fund. To show its sincere interest in the airmen stationed at Queen's the A.M.S. sent them invitations to all *open houses*.

An outdoor skating rink was realized to some extent when the Athletic Board of Control gave the city permission to build a rink back of the stadium, with the stipulation that it be given to the students, free of charge, one night per week. The A. B. of C. promoted a variety of athletic competition between the students and the airmen stationed at Queen's. The board made a fine contribution to the centenary by arranging an exhibition football game between Toronto Argonauts and the Montreal Bulldogs.

Despite the curtailment of intercollegiate sports, the Queen's pipe band was very active: during the centenary it played at the exhibition rugby game, the City of Kingston banquet, and around the campus. The band also offered its services to the C.O.T.C., and on several occasions played for the soldiers at Vimy Barracks. The band committee raised money by means of a dance, a 10c levy on every student, and checking and soft drink concessions at dances. Its dance profits are to be used to buy war bonds for the band fund, with a view to providing a brass section after the war when intercollegiate sports are resumed.

The A.M.S. Court demanded and received from Arts and Science, payment of damages they did to the Arts building and the radio station during their election day fracas in the fall. Payment in full was turned over to the University.

A financial statement from the Journal could not be had in time for this report, but a deficit is expected. This will be due to the decrease in student registration this year. The A.M.S. has given the Journal masthead permission to reduce the paper to four pages next year should the financial need arise. Every effort is being made to have the Tricolor out early this year. To counteract the increased cost of printing

and photo-engraving the A.M.S. raised the price of the book from \$3.85 to \$4.35. To save expense, time and space, the directory will absorb the handbook next year.

Color Night, which marks the official end of athletic and social activities, was an enjoyable affair. The guest speaker was Mr. Lew Hayman, coach of the Toronto Argos. The Norman Rogers airport presented a special basketball trophy to the A. B. of C., for student-airmen athletics arranged by that body, and as the official end of its activities for the year, the War Aid Commission held the draw on its raffle of a \$100 war bond. Various circumstances make it necessary to hold this event late in the year, and this lateness is one of the main reasons for its annual financial deficit, which was high this year. It is recommended that next year's A.M.S. executive revise Color Night. The design and cost of the Tricolor plaque, awarded that night, has been stabilized.

Last year, hoods purchased by the A.M.S., were rented to the graduating class, thereby saving them a considerable sum, and providing another source of revenue for the society. The scheme was very successful, and will be carried out again this year.

With a sincere view to raising a maximum amount of money for the war, the A.M.S. held a plebiscite on its proposal to run all year dances. Although the dance plan was defeated, it is hoped that it will be reconsidered next year.

The executive recommends that a committee, composed of its senior representatives and the society vigilantes, investigate the possibility of equal regulations for all freshmen, and a frosh-soph sports programme, the idea being to promote more interest in Queen's, rather than in the societies.

Seventeen meetings were held during the year. A greater number of non-members attended the meetings than in past years, and it is hoped that the interest shown in the society this year will be even greater in the future. To provide a closer relationship between the A.M.S. and the A. B. of C., it is hoped that the A.M.S. athletic stick will be made a non-voting member of the A.M.S. executive.

The executive offer their sincere thanks for the assistance and advice offered by members of the faculty on all matters on which they were consulted.

DOROTHY H. WARDLE,
President.

REPORT OF THE GENERAL ALUMNI ASSOCIATION

I have the honour to submit the following report of the General Alumni Association for the year ending March 31, 1942.

In November, 1941, Mr. H. J. Hamilton, who had been secretary-treasurer of the association since the beginning of 1939, was granted leave of absence for the duration of the war to join the staff of the Wartime Bureau of Technical Personnel at Ottawa. The request of the bureau for Mr. Hamilton's services was urgent and came with almost no warning. There seemed to be no alternative but to meet it.

In this emergency I was requested by the president, upon the advice of the advisory committee, to re-assume the supervision of the activities of the association, as acting secretary-treasurer, in addition to my duties as director of endowment for the University. The service control committee of the Engineering Society also asked me to re-assume the management of the Employment Service. In response to these requests and with the consent of the University, I took charge of the work in November, on a temporary basis, until some more satisfactory arrangement could be made. In the present report, therefore, only the period since November is covered from first-hand knowledge.

General Activities

During the year the association has carried on its regular activities—maintaining contact between the University and her alumni, facilitating meetings of the branches, publishing the *Queen's Review*, keeping the graduate records and files up to date, and otherwise endeavouring to sustain and stimulate the interest of the alumni in their Alma Mater.

The preparations for the University's one hundredth anniversary, and the special recording of the constantly growing number of Queen's men and women serving in the armed

forces entailed a big increase in the work of the office staff over that of previous periods. The departure of Mr. Hamilton presented further difficulties, and meant that the remaining staff had to carry a particularly heavy load in the latter part of the year.

Officers and Board of Directors

The officers of the association for the current year are: president—D. A. Gillies, Arts '05, Arnprior, Ont.; first vice-president—Dr. J. J. McCann, Med. '09, Renfrew, Ont.; second vice-president—A. C. Hanley, Sc. '18, Kingston, Ont. These officers, together with the three past presidents, eighteen other elected or appointed directors and the presidents of the branches, compose the board of directors.

Branches

At present the association has thirty-four branches—thirty in Canada, two in the United States and two in other countries. Forty-four meetings were held during the year. Several of the branches did valuable follow-up work on behalf of the centenary fund, and some made substantial contributions from their local treasuries.

Membership

At the close of the 1940-41 year (September 30, 1941), the membership of the association was 1686—an increase of 4 per cent over that of the previous period. The membership on March 31, 1942, was 5 per cent greater than at the corresponding date in 1941.

Alumni Statistics

On March 31, Queen's graduates in the different faculties numbered: Arts, 5677; Commerce, 467; Medicine, 1739; Science, 2140; Theology, 103; Honorary, 170. Of these, 627 held degrees in more than one faculty. The net total was therefore 9669. The number of deceased graduates was 2286.

It is impossible to give actual figures for the present geographical distribution of the graduates, in view of the large number who are on active service in various countries. Under normal conditions the distribution is approximately as follows: Canada, 81%; United States, 10%; other countries, 3%; addresses unknown, 6%. The normal distribution of the Canadian total by provinces is: Ontario, 77%; Quebec, 9%; Saskatchewan, 4%; Alberta, 3%; British Columbia, 3%; Manitoba, 2%; other provinces, 2%.

Alumni on Active Service

The records of the alumni office show that at the end of March 931 graduates and former students of Queen's were serving in His Majesty's Forces, and this total was undoubtedly far from complete.

Sixteen alumni had made the supreme sacrifice at that date.

The "Queen's Review"

The *Queen's Review* was published monthly throughout the year, with the exception of June, July and September. It carried numerous special articles of alumni interest, a month-by-month summary of university and student news, reports of the activities of the branches, personal notes about many hundred alumni, and various other material. Of particular interest were the regular listings of alumni on military service.

The net cost of the *Review* for the twelve months ending on March 31 was \$721.49. The circulation was maintained at 5000.

Centenary Celebrations

The association, its officers and its branches took an active part in helping to arrange for the celebration of the centenary of the University and to carry out the ceremonial programme.

A special feature of the programme was the alumni function held in Grant Hall on the morning of October 18, at which greetings and messages of congratulation were presented from the branches and from alumni in all quarters of the globe. This ceremony was under the chairmanship of Mr. E. A. Collins, retiring president of the association. *The Story of Queen's*, as told by Vice-Principal McNeill on this occasion, was of absorbing interest; while the addresses of Mr. Collins, of Dr. Hilda Laird, president of the Alumnae Association, and, in particular, of Rev. Hugh Cameron, Arts '76, one of the two oldest graduates of Queen's, were further highlights.

Several hundred alumni returned to the University for the celebrations, and numerous individual class reunions were held in addition to the formal functions. The annual meeting of the association and the semi-annual meeting of the board of directors also took place at this time.

Towards the cost of the centenary souvenir booklet, the General Alumni Association contributed \$355; the Alumnae Association, \$100; and a private alumnus, \$1000.

Social Functions

The social functions held by the association in Kingston during the year, aside from the formal centenary events, were confined to two student-alumni dances — one at convocation time in the spring and the other during the centenary weekend. Both were entirely successful. Numerous social affairs were also held at the branches.

The Employment Service

The employment situation has been so confused during recent weeks, because of the uncertainty of military-service regulations, the great amount of permanent and summer work being offered, particularly for engineering graduates and students, and the difficulty of the students in deciding what they should do under present conditions, that no statement

can be made at present regarding the number of placements effected by the Employment Service during the year.

There is little question, however, that when the totals are finally compiled they will considerably exceed those of preceding periods. The demand for men and women to enter war industry, either permanently or for the summer months, has been and still is so heavy that it is almost certain that practically all students seeking employment will obtain it in the near future. Many members of the final-year classes are joining the armed forces.

GORDON J. SMITH,
Acting Secretary-Treasurer.

REPORT OF THE QUEEN'S UNIVERSITY ALUMNAE ASSOCIATION

I have the honour to present the report of the Queen's University Alumnae Association for the year 1941-42.

It was a privilege and a joy to be able to participate in the centenary celebrations of the University in October. Messages of congratulation were brought to the University by representatives of the nine branches of the association, and greetings were received from individual members the world over. Several branches canvassed their members for special centenary contributions to the university endowment fund. In all, branches and individual members contributed \$3845, and, in addition, many pledges of annual contributions were secured.

The General Alumni Association and the Alumnae Association joined together in presenting to the University an illustrated booklet. Of the \$400 which was our association's share of the total cost, \$300 was a gift from Mr. Gordon Smith, director of endowment. This we gratefully acknowledge.

Her Royal Highness, the Princess Alice, Countess of Athlone, has graciously consented to become an honorary member of the association. Mrs. C. A. Dunning, the wife of the Chancellor of the University, has too been elected to honorary membership.

The Alumnae Association has always been eager to see women serve on the administrative bodies of the University. The election of Mrs. James Richardson of Winnipeg to the trustee board is, therefore, very gratifying to us, and an event of good omen.

The Marty memorial scholarship has been awarded to Miss Joyce Hemlow, B.A., of Liscomb, N.S., for the year 1942-43. Miss Hemlow is at present studying for a master's degree at Queen's University. She plans to continue her work in English literature at Radcliffe College.

Madame Krystyna Zbieranska, the Polish scholar who came to Canada in January 1941 under the sponsorship of the association, has for the past year lived in Ban Righ Hall, and has been engaged in research on French and French-Canadian literature. In the autumn of 1941 the association undertook to give financial assistance to a Scotch student, Miss Sheila Noakes of Edinburgh, who wished to attend Queen's University for the session 1941-42.

The Alumnae Association continues to take an active interest in the women's residences. It was gratifying that, in spite of the war, all residences, including the new Muir House, were filled.

The publication of the *Alumnae News* has been discontinued, probably for the duration of the war. A new *Alumnae Directory* is, however, being published, and should be ready for distribution at the time of our annual meeting in May.

The association has maintained its affiliation with the National Council of Women of Canada and the Canadian Federation of University Women, and has cooperated with these organizations in various projects which they have undertaken.

All branches of our association are actively engaged in war services of different kinds. The Toronto branch alone raised over \$1000 for war work, and its knitting and sewing groups sent more than 1000 articles to the Canadian Red Cross. The association is represented on the Advisory Council of the Canadian Women's Voluntary Services (Ontario Division), and is, so far as possible, cooperating in the work of that organization.

BETTY SMITH,
Secretary.

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REGISTRAR'S REPORT

Degrees granted May, 1941, and September, 1941

HONORARY DEGREES:

	Men	Women	Total	Total
Degree of Doctor of Laws (LL.D.)	25	2	27	
Degree of Doctor of Divinity (D.D.)	5		5	
	—	—	—	32

DEGREES BY EXAMINATION:

Degree of Bachelor of Divinity (B.D.)	5			5
	—			

Faculty of Arts

Degree of Master of Arts (M.A.)	11	4	15	
Degree of Master of Commerce (M.Com.)	1	1	2	
Degree of Bachelor of Arts with Honours (B.A.)	30	11	41	
Degree of Bachelor of Arts (Pass) (B.A.)	93	66	159	
Degree of Bachelor of Commerce (B.Com.)	32	5	37	
	—	—	—	
	167	87		254

Faculty of Applied Science

Degree of Master of Science (M.Sc.)				
Chemistry	3			
Geology	2			
	—			5

Degree of Bachelor of Science with Honours (B.Sc.)

Mining Engineering	4			
Mining Engineering (Geology Option)	1			
Chemical Engineering	1			
Metallurgical Engineering	1			
Civil Engineering	4			
Mechanical Engineering	2			
Electrical Engineering	3			
Physics	5			
	—			21

Degree of Bachelor of Science (Pass) (B.Sc.)

Mining Engineering	23			
Mining Engineering (Geology Option)	2			
Chemistry	9			
Mineralogy and Geology	2			
Chemical Engineering	19			
Metallurgical Engineering	13			
Civil Engineering	13			
Mechanical Engineering	15			
Electrical Engineering	14			
Physics	1			
	—			111

Faculty of Medicine

Degree of Doctor of Medicine and Master of Surgery (M.D., C.M.)	44			137
	—			

44

472

REGISTRATION

The registration for 1941-42 compared with the previous session is as follows:

DEGREE COURSES		1940-41	1941-42
<i>Faculty of Arts (including Commerce):</i>			
Intramural—First registration	215	210	
Previously registered	466	432	
	— 681	— 642	
Summer School	490	378	
Less non-degree courses	17	10	
	— 473	— 368	
Extramural—Summer	922	851	
Less also in Summer School	454	356	
	— 468	— 495	
Winter	1089	996*	
Less registered also in summer	517	430	
	— 572	— 566	
School of Commerce and Administration—			
First registration	47	37	
Previously registered	99	76	
	— 146	— 113	
<i>Faculty of Applied Science:</i>			
First registration	167	201	
Previously registered	432	384	
	— 599	— 585	
<i>Faculty of Medicine:</i>			
First registration	46	45	
Previously registered	220	221	
	— 266	— 266	
	3205	3035	
Less registered in two faculties	3	3	
	— 3202	— 3032	

NON-DEGREE COURSES

Intramural—Drama—Summer School (in addition to regular members of the Summer School)	17	10
Extramural—Middle and Upper School	17	24
Banking—Fellows' course	341	138
Banking—Supplementary course	11	8
Chartered Accountants' course	488	502
	— 874	— 682
Total registration	4076	3714

*The figures for session 1941-42 winter extramural include 117 men on active service overseas.

ANALYSIS OF REGISTRATION BY FACULTIES

Faculty of Arts (including Commerce):

	Men	Women	Total	Total
Intramural—First registration	107	103	210	
Previously registered	231	201	432	
				642
Extramural—including Summer School	815*	624	1439	
Middle and Upper School	11	13	24	
				1463
School of Commerce and Administration—				
First registration	28	9	37	
Previously registered	65	11	76	
				113

Faculty of Applied Science:

First year	201	
Second year	137	
Third year	128	
Fourth year	109	
Graduate students	5	
Special students	5	
		585

Registration by Departments:

	Third Year	Fourth Year
Mining Engineering	14	15
Mining Engineering (Geology Option)		2
Chemistry	4	6
Mineralogy and Geology	1	1
Chemical Engineering	22	20
Metallurgical Engineering	15	17
Civil Engineering	16	8
Mechanical Engineering	30	26
Electrical Engineering	23	13
Physics	3	1

Faculty of Medicine:

First year	45	
Second year	48	
Third year	42	
Fourth year	46	
Fifth year	45	
Sixth year	40	
		266

Banking and Accounting:

Fellows' course	138	
Supplementary course	8	
		146
Chartered Accountants' course	502	502
		3717
Less registered in two faculties		3
		3714

*This figure includes 117 men on active service overseas.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Geographical Distribution 1941-42	Faculty of Arts and School of Commerce		Faculty of Applied Science	Faculty of Medicine	Bank- ing	Account- ing	Total
	Intra- mural	Extra- mural					
Ontario	609	981	501	198	52	398	2739
Quebec	68	138	24	4	22	3	259
New Brunswick	7	1	7	1	6	7	29
Nova Scotia	5	7	5	.....	8	21	46
Prince Edward Island .....	.....	2	.....	2	.....	5	9
Manitoba	11	21	17	8	8	1	66
Saskatchewan	14	29	12	24	13	13	105
Alberta	10	117	6	4	5	46	188
British Columbia	9	35	5	16	18	.....	83
Newfoundland	2	6	1	.....	3	8	20
Scotland	1	.....	2	.....	.....	.....	3
Bermuda	4	.....	1	.....	.....	.....	5
British West Indies	1	.....	.....	.....	.....	.....	1
Barbados .....	.....	.....	.....	.....	1	.....	1
United States	13	9	4	9	3	.....	38
Cuba .....	.....	.....	.....	.....	3	.....	3
Colombia .....	.....	.....	.....	.....	1	.....	1
Dominican Republic .....	.....	.....	.....	.....	1	.....	1
China	1	.....	.....	.....	.....	.....	1
On active service overseas .....	.....	117	.....	.....	1	.....	118
R.A.F. in Canada .....	.....	.....	.....	.....	1	.....	1
	755	1463	585	266	146	502	3717
Less registered in two faculties							3
Grand Total							3714

DISTRIBUTION OF STUDENTS IN ONTARIO

Distribution of Students in Ontario by Districts	Faculty of Arts and School of Commerce		Faculty of Applied Science	Faculty of Medicine	Bank- ing	Account- ing	Total
	Intra- mural	Extra- mural					
<i>Eastern Ontario:</i>							
Prescott .....	.....	3	2	.....	.....	.....	5
Glengarry	8	16	1	.....	.....	.....	25
Stormont	6	9	9	1	1	.....	26
Russell	4	6	.....	.....	.....	.....	10
Carleton	106	94	85	30	6	25	346
Dundas	3	11	2	4	.....	.....	20
Grenville	16	7	5	5	.....	.....	33
Lanark	11	26	7	7	1	.....	52
Leeds	22	32	16	13	.....	2	85
Renfrew	14	23	12	7	2	1	59
Frontenac	117	78	40	28	.....	1	264
Hastings	18	53	9	12	1	.....	93
Prince Edward	8	15	3	.....	1	.....	27
Lennox and Addington	9	18	6	3	.....	.....	36

Distribution of Students in Ontario by Districts	Faculty of Arts and School of Commerce		Faculty of Applied Science	Faculty of Medicine	Bank- ing	Account- ing	Total
	Intra- mural	Extra- mural					
<i>Central Ontario:</i>							
Haliburton .....	.....	4	.....	.....	.....	.....	4
Peterborough	10	47	5	6	2	.....	70
Northumberland	6	22	4	3	.....	.....	35
Durham	5	28	4	2	.....	.....	39
Victoria	7	15	1	.....	.....	.....	23
Ontario	8	28	1	5	1	.....	43
Muskoka	1	13	1	.....	.....	.....	15
Simcoe	7	18	8	5	.....	.....	38
York	47	65	17	10	15	287	441
Halton	4	2	1	2	.....	1	10
Wentworth	5	11	30	12	3	23	84
Welland	22	27	23	3	1	5	81
Lincoln	9	9	9	2	.....	6	35
Peel	3	3	2	.....	.....	1	9
Dufferin	2	7	1	.....	.....	.....	10
<i>Western Ontario:</i>							
Grey	8	15	2	2	.....	.....	27
Bruce	5	11	1	1	1	.....	19
Huron .....	.....	5	1	.....	.....	.....	6
Middlesex	2	4	15	.....	3	5	29
Lambton	3	2	8	1	.....	.....	14
Kent	5	4	15	6	1	.....	31
Essex	12	13	21	2	2	8	58
Elgin	2	3	9	.....	.....	2	16
Norfolk	2	2	.....	.....	.....	.....	4
Oxford	6	7	3	2	1	.....	19
Brant	7	7	6	.....	.....	10	30
Waterloo	8	6	12	.....	2	9	37
Perth	3	6	7	1	1	.....	18
Haldimand .....	.....	1	3	.....	.....	.....	4
Wellington	2	17	2	2	1	1	25
<i>Northern Ontario:</i>							
Parry Sound	1	10	2	2	.....	.....	15
Nipissing	11	28	4	.....	.....	2	45
Timiskaming	3	24	22	3	1	1	54
Algoma	6	17	6	6	2	.....	37
Kenora	2	17	3	2	.....	.....	24
Rainy River	2	4	1	.....	.....	.....	7
Sudbury	10	5	18	.....	2	3	38
Thunder Bay	11	68	17	3	.....	4	103
Cochrane	20	15	19	5	1	1	61
Manitoulin .....	.....	.....	.....	.....	.....	.....	.....
	609	981	501	198	52	398	2739
Less registered in two faculties							3
							2736

JEAN I. ROYCE,
Registrar.

REPORT OF THE DIRECTOR OF ENDOWMENT

I beg to submit the following report for the year ending March 31, 1942.

During the past twelve months the endowment office has continued its efforts to obtain financial assistance for the University from her alumni and from other potential benefactors. The fact that 1941 was Queen's centenary year strengthened the appeal for funds and undoubtedly had an effect on the number and the size of the contributions received. For the help that has been given by her alumni and other friends and by the Dominion and Provincial governments, the University is sincerely grateful. This assistance has meant a great deal in the successful maintenance of her work — work that is essential not only to the war effort but also to the future well-being of Canada.

Alumni Help

In January, 1941, a request for their help was sent to all graduates and non-graduate former students of Queen's whose addresses were known. The appeal was in the form of an Alma Mater statement by the chairman of the Endowment Committee, accompanied by a special letter signed by the Principal and the Director of Endowment. The plan of annual donations by the alumni — no matter how modest the amount — was emphasized, and a combined "pledge" and current-year subscription form was enclosed. The way was left open, however, for either single or annual gifts.

By the end of March, 1941, a substantial number of promises and contributions had been received as the result of this appeal, in spite of the many calls on behalf of more specific war projects, and the momentum has continued throughout the past year. Considerable follow-up work has been done by several of the General Alumni and the Alumnae branches and by various classes. By this means, as well as by solicitation direct from the endowment office, the effort to

enlist the support of as many of the alumni as possible is being constantly maintained.

Special Benefactor Assistance

The assistance of special benefactors — individuals and organizations — who might be in a position to help Queen's has been sought by the Principal and other officials of the University as opportunity has arisen. A modest amount of success has also rewarded this phase of the fund-raising effort, although large benefactions are extremely difficult to secure under present conditions.

Benefactions during Year

By means of gifts from alumni and other sources, thirteen new scholarships, bursaries and prizes for student or graduate competition were established or brought into operation during the year, and several new funds for other special projects were also set up. Contributions for these purposes supplemented the large number of gifts to previously existing regular or special funds.

The grants, gifts and bequests received by the University for endowment or maintenance accounts between April 1, 1941, and March 31, 1942, are recorded in summary and in detail below. They total \$449,980.65, as against the revised figures of \$383,523.68 for 1940-41, and \$321,999.47 for 1939-40. It is regretted that lack of space precludes the individual listing of the many benefactors who have contributed amounts under \$25. Their help is, however, no less sincerely appreciated.

<i>Source and Allocation</i>		<i>Amount</i>	<i>Total</i>
Individual Alumni—846			
General funds	\$	15,262.32	
Scholarships, bursaries and prizes		4,329.84	
Special projects		3,158.53	
			\$ 22,750.69
Alumni and Student Organizations—10			
General funds		308.00	
Scholarships, bursaries and prizes		176.75	
Special projects		36,005.00	
			36,489.75

Other Individuals and Organizations—107		
General funds	21,847.18	
Scholarships, bursaries and prizes	33,472.99	
Special projects	34,901.97	
		90,222.14
Dominion and Provincial Governments		
General funds	275,000.00	
Special projects	25,518.07	
		300,518.07
		<u>\$449,980.65</u>

Fund and Benefactor

Amount

Abramsky, Joseph, Scholarship in Mechanical Engineering—	
Joseph Abramsky and Sons, Limited	\$ 50.00
American Legion Scholarship—Dr. G. E. Hayunga, Sr.	200.00
Art and Music—Mrs. Frederick Etherington	3,400.00
Arts '39 Scholarship—31 contributions	72.50
Arts '40 Scholarship—58 contributions	148.12
Association of Professional Engineers Scholarship—Ontario	
Association of Professional Engineers	100.00
Association of Protestant Teachers Bursary—Quebec Associa-	
tion of Protestant Teachers	25.00
Biology Department—Dr. R. O. Earl	287.53
B'nai B'rith Bursary—Kingston B'nai B'rith Lodge	50.00
B'nai B'rith Scholarship—Ottawa B'nai B'rith Lodge	100.00
Boak Prize in Anatomy—Dr. E. W. Boak	25.00
Bruce, Robert, Scholarships and Bursaries—Estate of Mr.	
Robert Bruce	360.99
Canadian-American Conference—Carnegie Corporation	3,028.66
Canadian Artists Conference—Carnegie Corporation	2,200.00
Canadian Industries, Limited, Fellowship—Canadian Indust-	
ries, Limited	750.00
Centenary (including sub-divisions not elsewhere listed)—	
Mr. R. W. Anglin	\$ 25.00
Dr. S. W. Arthur	500.00
Dr. J. Y. Baker	25.00
Dr. J. A. Bannister	48.81
Dr. L. F. Barker	27.32
Miss Bertha Bassam	25.00
Mr. Justice J. S. Bernstein	54.65
Mr. H. G. Bertram	500.00
Mrs. D. W. Boucher	1,000.00
Dr. M. R. Bow	44.00
Dr. E. M. Boyd	100.00
Dr. E. W. Bradwin	25.00
Mr. and Mrs. A. H. Brown	25.00
Dr. E. L. Bruce	40.00
Mr. C. R. Buss	75.00
Mr. C. Ward Butcher	100.00
Prof. J. C. Cameron	26.00
Dr. and Mrs. L. P. Chambers	27.25
Dr. Robert Chambers	27.30
Mrs. D. M. Chown	100.00
Mr. J. B. Conacher	25.00

Mr. A. V. Corlett	100.00
Dr. W. F. Cornett	150.00
Mr. D. L. Coulter	100.00
Mr. J. C. Daley	549.50
Mr. J. M. Denyes	30.00
Miss Kathleen Dolan	100.00
Dr. A. Vibert Douglas	25.00
Mr. James Duff	25.00
Miss M. Belle Elliott	25.00
Judge A. G. Farrell	25.00
Mr. J. M. Farrell	50.00
Dr. T. H. Farrell	200.00
Dr. G. E. Flanagan	109.75
Dr. Hugh Fleming	50.00
Mr. O. B. J. Fraser	25.00
Messrs. J. Freedman and Son, Limited	150.00
Mr. D. G. Geiger	25.00
Mr. D. A. Gillies	100.00
Mrs. J. S. Gillies	50.00
Dr. T. J. Goodfellow	27.25
Miss Annie E. Gordon	110.00
Mr. J. R. Gordon	100.00
Prof. Wilhelmina Gordon	30.00
Mr. A. D. Graham	27.32
Dr. Colin Graham	25.00
Dr. J. W. Greig	27.15
Miss Caroline P. Grenfell	100.00
Dr. H. A. Guess	300.00
Prof. Heinrich Henel	25.00
Mr. R. T. Hodgson	100.00
Miss Lillian A. Hudson	27.25
Mr. David Hutchison	25.00
Mrs. George Kennedy	25.00
Kingston Branch, Alumnae Association	108.00
Dr. W. S. Kirkland	25.00
Dr. Campbell Laidlaw	500.00
Dr. Hilda C. Laird	100.00
Dr. Marion D. Laird	25.00
Mr. E. L. Longmore	100.00
Prof. T. V. Lord	100.00
Prof. R. A. Low	90.00
Dr. A. J. McNab	600.00
Dr. W. E. McNeill	100.00
Mr. M. A. Macqueen	100.00
Mr. and Mrs. N. B. MacRostie	100.00
Dr. and Mrs. C. S. McWilliam	109.75
Dr. Archibald Malloch	25.00
Dr. J. E. McAskill	100.00
Rev. J. A. MacDonald	50.00
Miss Mary L. Macdonnell	35.00
Mr. J. C. Macfarlane	25.00
Mr. John McKay	27.25
Dr. K. L. MacKinnon	30.00
Rev. Dr. and Mrs. M. A. MacKinnon	100.00
Dr. A. L. MacLennan	300.00
Miss Elizabeth McLennan	50.00
Mr. D. I. McLeod	50.00

Dr. G. R. Marsh	27.25	
Mr. G. W. Mason	100.00	
Dean John Matheson	100.00	
Miss Nancy M. A. Miller	100.00	
Dr. and Mrs. Norman Miller	40.10	
Montreal Branch, Alumnae Association	40.00	
Miss Kathleen V. Moore	25.00	
Mr. Robert Muir	50.00	
Mr. J. E. Neilson	50.00	
Most Rev. M. J. O'Brien	25.00	
Dr. John Orr	100.00	
Ottawa Branch, General Alumni Association	100.00	
Mr. G. E. Pentland	80.00	
Mr. H. S. Pollock	25.00	
Miss Hannah W. Polson	25.00	
Dr. J. A. Polson	100.00	
Lt.-Col. S. M. Polson	50.00	
Miss Marion Redden	100.00	
Dr. F. D. Reid	100.00	
Mrs. James A. Richardson	5,000.00	
Mr. A. M. Robertson	77.00	
Dr. Bruce Rose	90.00	
Miss Isabel Ross	100.00	
Miss May H. Ross	100.00	
Dr. T. R. Ross	250.00	
Dr. L. S. Sacharoff	1,124.80	
Dr. B. W. Sargent	35.00	
Mr. J. R. Sheppard	200.00	
Mr. L. P. Silver	100.00	
Dr. R. G. Sinclair	90.00	
Dr. B. M. Stewart	250.00	
Miss Flora B. Stewart	25.00	
Miss Winona Stewart	50.00	
Miss Dora H. Stock	100.00	
Miss Marie Stock	100.00	
Dr. J. B. Tyrrell	100.00	
Most Rev. Alexandre Vachon	25.00	
Vancouver Branch, Alumnae Association	25.00	
Prof. C. E. Walker	40.00	
Dr. James Wallace	100.00	
Windsor Branch, General Alumni Association	35.00	
Mr. D. G. H. Wright	100.00	
Dr. K. G. Yip	40.00	
Mrs. G. S. Young	25.00	
Mr. A. B. Zacks	25.00	
Other contributions—486	2,534.07	
		20,486.77

Centenary Expense—

Alumnae Association of Queen's University..	100.00	
City of Kingston	566.31	
Mrs. Frederick Etherington	27.50	
General Alumni Association of Queen's University	355.00	
Mr. G. J. Smith	1,000.00	
Other contributions—1	5.00	
		2,053.81

Chemical Engineering Graduate Scholarship—Anonymous.....	100.00
Duckworth, Gertrude, Bursaries—Dr. E. M. Robertson	150.00
Dwyer, Helen E., Memorial Scholarship—Dr. J. G. Dwyer	100.00
Engineering Institute of Canada Prize—Engineering Institute of Canada	25.00
English 2 Extramural Prize—Mrs. D. M. Chown	25.00
General Alumni Association—Mr. E. A. Collins	100.00
General Endowment—	
Dr. A. F. Ash	\$ 100.00
Dr. A. R. Elliott	1,000.00
Estate of Col. R. W. Leonard	15,128.73
Dr. W. L. Malcolm	150.00
Estate of Mr. W. J. Patterson	45.00
Mrs. O. D. Skelton and the late Dr. Skelton	500.00
Other contributions—1	7.00
	16,930.73
General Maintenance—Province of Ontario	275,000.00
General Research—Mrs. James A. Richardson	5,000.00
Industrial Relations—12 contributions	8,850.00
Kidd, John Franklin, Prizes in Surgery—Mrs. J. F. Kidd	150.00
Leonard, Reuben Wells, Fellowships, Scholarships and Bursaries—Estate of Col. R. W. Leonard	5,245.00
MacClement Memorial Fellowship—	
Miss Audrey Dudley	\$ 25.00
Other contributions—2	32.22
	57.22
MacClement Summer School Prizes—Queen's Summer School Association	176.75
MacLachlan, Alexander, Peace Prize—	
Mrs. Alexander MacLachlan	\$ 200.00
Mr. A. G. MacLachlan	200.00
Mr. Ian MacLachlan	200.00
Mr. M. B. MacLachlan	200.00
Mrs. C. A. Reed	200.00
	1,000.00
McLean Rural Bursaries—Dr. J. S. McLean	1,000.00
McNab Graduate Scholarship—Mr. A. J. McNab	400.00
Medical Equipment—Dr. J. E. McAskil	100.00
Men's Residence—Queen's Contingent, C.O.T.C.	25,500.00
Montgomery, O. M., Memorial Scholarship—Aluminum Company of Canada, Limited	25,000.00
Mylks, G. W., Medal in Obstetrics and Gynaecology—Dr. G. W. Mylks, Sr.	250.00
Observatory—Dominion of Canada	500.00
Ontario Medical Association Prize in Preventive Medicine—Ontario Medical Association	25.00
Physics Trust—Dr. S. A. Mitchell	250.00
Polson, Hannah Washburn, Prize in Clinical Diagnosis—Dr. J. A. Polson	50.00
Polson, Neil Currie, Memorial Scholarship—Lt.Col. S. M. Polson	50.00
Postgraduate Assistance—Estate of Mr. W. T. Love	100.00
Preventive Medicine Equipment—Misses Isabel and May H. Ross	500.00
Professors Prize in Gynaecology—Dr. E. M. Robertson	50.00
Public Health—Province of Ontario	5,000.00

Red Room Furniture—Levana Society of Queen's University	50.00
Robertson, Dr. E. M., Apparatus—Mrs. D. W. Boucher	100.00
Ross, P. D., Scholarships—Dr. P. D. Ross	300.00
School of Navigation—	
Dominion of Canada	\$ 500.00
Province of Ontario	75.00
	575.00
Science '03-'06 (J. J. Denny Memorial) Scholarship—	
Mr. G. C. Bateman	50.00
Mr. W. B. Timm	25.00
Other contributions—1	5.00
	80.00
Science '14 (Alexander Macphail) Scholarship—	
Mr. Stanley Gerow	25.00
Mr. R. R. Hepinstall	27.25
Mr. A. E. MacRae	100.00
Other contributions—14	105.59
	257.84
Science '39 Scholarship—20 contributions	104.91
Science '40 Scholarship—39 contributions	144.00
Science '41 (J. O. Watts Memorial) Scholarship—25 contri- butions	120.25
Segsworth, Robert F., Scholarship in Mining—Mrs. Mabel E. Segsworth	500.00
Society of Chemical Industry Prize—Canadian Society of Chemical Industry	25.00
Special Research—	
Banting Foundation	\$ 450.00
Best Foods, Incorporated	329.50
Ciba Company, Limited	500.00
Mr. E. A. Collins	400.00
Dominion of Canada	19,443.07
John and Mary Markle Foundation	2,530.00
	23,652.57
Stewart Psychiatry—Mrs. D. W. Stewart	3,000.00
Students' Loan—	
Mr. F. W. Bray	\$ 245.00
Mr. E. A. Collins	200.00
	445.00
Taylor, George, Scholarship—Mrs. W. A. Clark	250.00
Wilgar, W. P., Memorial Scholarship—Dr. F. D. Reid	325.00
Wilgar, W. P., Memorial—	
Messrs. Aiken and MacLachlan, Limited	\$ 100.00
Messrs. Angus and Taylor, Limited	100.00
Messrs. Armstrong Brothers	25.00
Bergmann Construction Company, Limited.....	50.00
Messrs. Charles V. Billie and Son	100.00
Bond Construction Company, Limited	100.00
Canada Cement Company, Limited	300.00
Messrs. Curran and Briggs, Limited	100.00
Dibblee Construction Company, Limited	50.00
Don Construction Company, Limited	50.00
Dufferin Paving and Crushed Stone, Limited	100.00
Mr. H. C. Flinn	50.00
Godson Construction Company, Limited	100.00
Hadley-McHaffie Construction Company, Ltd.	100.00

Mr. Ross Harstone	100.00	
Mr. Harold Harvey	200.00	
Honsberger Construction Company	50.00	
Imperial Oil Company, Limited	300.00	
Mr. Harry Jardine	25.00	
Johnson Brothers Company, Limited	100.00	
Jupp Construction Company, Limited	200.00	
Law Construction Company, Limited	100.00	
Limestone Products, Limited	50.00	
Mr. T. A. McGinnis	200.00	
Messrs. Wallace A. Mackey, Limited	100.00	
McNamara Construction Company, Limited..	200.00	
Dr. W. L. Malcolm.....	25.00	
Messrs. L. T. Martin, Limited	50.00	
Mr. Bruce C. Matson	100.00	
Mr. J. N. Meathrell	100.00	
Non-Skid Pavement, Limited	100.00	
George W. Porter Construction Company, Limited	75.00	
Messrs. Rayner Construction, Limited	500.00	
Messrs. Scott-Jackson Construction, Limited	50.00	
Mr. R. M. Smith	50.00	
Mr. George P. Souter	50.00	
Standard Paving and Materials, Limited	100.00	
Sterling Construction Company, Limited	200.00	
Storms Contracting Company, Limited	25.00	
Tomlinson Construction Company, Limited	200.00	
Towland Construction Company, Limited	100.00	
Warren Bituminous Paving Company, Limited	100.00	
Other contributions—26	201.00	
		4,976.00
Women's Residence—		
Ban Righ Hall Board of Queen's University.....	10,000.00	
Other contributions—2	15.00	
		10,015.00
Miscellaneous—3 contributions		37.00
		<u>\$449,980.65</u>

Other gifts in the same period include:

- A number of fine pictures for the University's art collection—Queen's Art Foundation.
- A set of kodochrome slides for the Art Department—Carnegie Foundation. A Japanese scroll painting for the same department—Rev. Dr. C. J. L. Bates.
- Books and manuscripts for the Douglas Library—Dr. Lorne Pierce and other donors.
- Several hundred copies of plays for the Department of Extension—Messrs. Samuel French (Canada) Limited.
- Miscellaneous drugs and other supplies for the Department of Pharmacology—various drug firms.
- The Robert H. Combs collection of minerals, semi-precious stones, and polished-rock specimens for the Miller Hall museum—Mr. Gilbert LaBine and Dr. Fraser D. Reid.
- Specimens and curios for the other departmental museums—various donors.

Prizes and medals for student competition—professors and other donors.
A solid gold medal—the late Mr. J. P. Hume.

Deferred Benefactions

Among the benefactions of which the University has been informed during the year, but which have not yet been received, are the following:

A bequest of \$15,000 under the will of the late Miss Gertrude F. Clarke, of New London, Conn.—to become available eventually for general endowment.

The Harry Beaty Memorial Scholarship \$100 in value—to be sponsored by the Class of Science '42 in memory of the first member of the class to lose his life in the war.

The Arts '42 Scholarship, \$75 or \$100 in value—to be sponsored by the Class of Arts '42.

Definite or provisional promises of regular contributions, ranging from \$1 to \$5000, at yearly or other intervals from 312 alumni and other friends of Queen's, in addition to those previously recorded.

GORDON J. SMITH,
Director of Endowment.

TREASURER'S REPORT

REVENUE AND EXPENDITURE

For the Year ended on March 31st, 1942

SUMMARY OF REVENUES

Income from students	\$	358,881.75	
Chartered Accountants		22,955.70	
Income from investments			
Craine income	\$	10,553.31	
Deduct amount carried to capital		553.31	
	\$	10,000.00	
Income from general endowment including Hardy Foundation \$2,200 and Douglas Tutorial \$1,000		167,822.50	
Deduct interest credited to trust funds		31,739.54	
		136,082.96	
Net income from rentals		2,580.48	
			148,663.44
Grants			
Ontario Government—Maintenance		275,000.00	
Public Health		5,000.00	
Dominion Government		1,000.00	
Board of Education		75.00	
			281,075.00
Central Heating Plant			6,108.60
Sundry revenue			4,781.42
	\$	822,465.91	

SUMMARY OF EXPENDITURE

Educational

Salaries	\$	464,110.27	
Public Health		5,000.00	
Supplies		29,826.23	
	\$		498,936.50
Administrative expenses, salaries and supplies			84,023.89
Library—salaries		20,057.10	
supplies		10,861.00	
			30,918.10

Plant

Maintenance of plant, including janitors, repairs, wages, supplies, taxes and care of grounds	51,651.36	
Light, heat and power—		
Central Plant	\$ 29,332.25	
Purchase of electricity	4,304.07	
Maintenance of heating system	2,043.86	
		35,680.18
Provision for depreciation of buildings and equipment	22,000.00	
		109,331.54

Sundry

Reserved for salaries	42,000.00	
Queen's Quarterly	819.34	
Travelling	783.87	
Pensions	5,300.00	
Pensions—sub staff	1,000.00	
Annuities	19,320.76	
Less interest on securities.....	3,375.00	
		15,945.76
Engineering Society employment service	1,000.00	
Reserved for loss on securities	20,000.00	
General Alumni Association	1,000.00	
Bank charges and exchange	947.85	
Presiding examiners	4,141.77	
Miscellaneous	5,534.90	
		98,473.49
		821,683.52
Excess of revenue over expenditure		782.39
		\$ 822,465.91

BALANCE SHEET—MARCH 31st, 1942

ASSETS

Bonds, debentures and stocks—at book values	\$3,679,053.09	
Mortgages—current and foreclosed	268,924.55	
		\$ 3,947,977.64
Craine Foundation—Investments	249,316.64	
Craine Building	125,000.00	
Cash awaiting investment	23,618.14	
		397,934.78
Land, buildings and equipment—at appraisal values	4,638,658.34	
Gymnasium building—balance owing from Athletic Board of Control	114,175.82	
		4,752,834.16
Cash on hand and in bank		154,788.70
Sundry assets—inventories, accounts receivable and prepaid expenses		27,482.21
		<u>\$ 9,281,017.49</u>

LIABILITIES and ENDOWMENTS

General endowment	\$ 3,045,697.29	
Dr. Agnes Douglas Craine Foundation	397,934.78	
Senator A. C. Hardy Foundation	55,000.00	
Douglas Endowment	20,000.00	
Centenary Fund	31,022.56	
		\$ 3,549,654.63
Scholarship Funds—Capital	503,712.55	
Interest at credit	28,778.85	
		532,491.40
Trust Funds	303,148.15	
Pension Fund	28,338.76	
Loan Funds	2,968.71	
		334,455.62
Current liabilities		100,116.25
Reserved for commitments		251,455.83
Reserved for depreciation of buildings and equipment		228,563.70
Reserved for contingent loss on securities		191,964.81
Surplus of assets over liabilities and endowments		4,092,315.25
		<u>\$ 9,281,017.49</u>

RECONCILIATION OF CHANGES IN SURPLUS BALANCE

Year ended on March 31st, 1942

Balance—March 31st, 1941	\$ 4,086,223.64	
Add write off of reserve balances no longer required	\$ 5,309.22	
Excess of revenue over expenditure—year ended on March 31, 1942	782.39	
		6,091.61
Balance at credit—March 31st, 1942		<u>\$ 4,092,315.25</u>

AUDIT REPORT

For the Year ending March 31, 1942

To the Trustees:

Gentlemen:

We have examined the accounts of the Treasurer of Queen's University for the year ending March 31st, 1942, and in our opinion the attached Balance Sheet is properly drawn up so as to show the financial condition of the University as at that date, and the attached statement of Revenue and Expenditure correctly shows the financial results of the year, to the best of our information, and the explanations given to us, and according to the books of the University.

Cash and Investments

We have verified the bank balances by letter and have inspected the securities. We have ascertained that all interest and dividend payments have been received and properly recorded. We have inspected the accounts of the mortgages held by the University and have sent verification notices to all mortgagors.

Revenue—Fees

We have inspected the students' ledgers and registration records and have ascertained that all fees have been properly accounted for.

Expenditures

We have examined the vouchers for expenditure and have found that all disbursements have been properly authorized.

ENGLAND and LEONARD,
Chartered Accountants.

Kingston, Ont.,
May 12th, 1942.